

# Index of Subjects

Volume 145, 1994

## Acquired immunodeficiency disease

- Kaposi's sarcoma
- oncostatin-M, autocrine growth factor, 74

## Adenocarcinoma

- human pancreas
- precursor lesions, p53 protein expression, 1291
- murine pancreatic duct
- polyoma middle T oncogene, *in vitro* transduction, islets of Langerhans, 671
- stage B prostate
- infrequency of alterations in p53 and MDM-2 genes, 287

## Adhesion molecules

- integrins and
- cytokine production and expression, tumor infiltrating lymphomononuclear cells, non-small cell lung carcinomas, 322
- intercellular
- increased expression in biliary atresia, 263

## AIDS. see Acquired immunodeficiency disease

## Alzheimer's disease

- $\beta$ -amyloid 1-40
- high tissue content, linkage to cerebral amyloid angiopathy, 452
- fibril formation acceleration
- by apolipoprotein E *in vitro*, 1030
- Lewy body type and
- senile dementia, apolipoprotein E genotype influence, etiological significance, 1472
- neurofibrillary pathology
- heme oxygenase-1 and, 42
- prion proteins and
- muscle, 1261

## Amyloid

- deposits
- senile plaques and, aging cerebral cortex, neuronal injury, synaptic pathology and glial responses to, 1358

## Amyloid $\beta$

- decreased
- increased abnormal tau deposition, brain, aged leprosy patient, 771
- protein
- Alzheimer's disease and, muscle, 1261

## $\beta$ -Amyloid 1-40

- soluble

- high tissue content, linkage to cerebral amyloid angiopathy, 452

## Amyloid A

- human serum genes
- monocyte/macrophage cell line expression, 650

## Amyotrophic lateral sclerosis

- human
- murine transgenic model, central nervous system pathology, 1271

## Anaplastic large cell lymphoma

- Ki-1
- translocation in Hodgkin's disease, reverse transcriptase PCR, 1296

## Angiogenesis

- human coronary atherosclerotic plaques, 883
- ocular
- VEGF, temporal and spatial correlation, primates, 574
- in vitro* rat aortic
- promotion by VEGF, PDGF, and IGF-1, 1023

## Annexins

- expression alterations
- pathological neuronal and glial reactions, human hippocampus, 640

## Antibodies

- 280-kd coated pit protein
- traffic alterations, internalized proteins, 1526

## Anti-CD31

- delay of platelet adhesion/aggregation
- endothelial injury sites, mouse cerebral arterioles, 33

## Antigen. see also specific antigen

- presentation
- MHC-encoded transporter associated with, colorectal cancer, 505
- proliferating cell nuclear
- expression, progress prediction, human cardiac allograft rejection, 876

## Antigen, MN

- biomarker
- cervical intraepithelial squamous and glandular neoplasia and cervical carcinomas, 598

## APC

- c-K-ras mutations and
- colorectal carcinogenesis, earliest alterations, 531

## Apolipoprotein E

- genotype influence
- Alzheimer and Lewy body type senile dementia, eti-

# Index of Subjects

Volume 145, 1994

## Acquired immunodeficiency disease

- Kaposi's sarcoma
- oncostatin-M, autocrine growth factor, 74

## Adenocarcinoma

- human pancreas
- precursor lesions, p53 protein expression, 1291
- murine pancreatic duct
- polyoma middle T oncogene, *in vitro* transduction, islets of Langerhans, 671
- stage B prostate
- infrequency of alterations in p53 and MDM-2 genes, 287

## Adhesion molecules

- integrins and
- cytokine production and expression, tumor infiltrating lymphomononuclear cells, non-small cell lung carcinomas, 322
- intercellular
- increased expression in biliary atresia, 263

## AIDS. see Acquired immunodeficiency disease

## Alzheimer's disease

- $\beta$ -amyloid 1-40
- high tissue content, linkage to cerebral amyloid angiopathy, 452
- fibril formation acceleration
- by apolipoprotein E *in vitro*, 1030
- Lewy body type and
- senile dementia, apolipoprotein E genotype influence, etiological significance, 1472
- neurofibrillary pathology
- heme oxygenase-1 and, 42
- prion proteins and
- muscle, 1261

## Amyloid

- deposits
- senile plaques and, aging cerebral cortex, neuronal injury, synaptic pathology and glial responses to, 1358

## Amyloid $\beta$

- decreased
- increased abnormal tau deposition, brain, aged leprosy patient, 771
- protein
- Alzheimer's disease and, muscle, 1261

## $\beta$ -Amyloid 1-40

- soluble

- high tissue content, linkage to cerebral amyloid angiopathy, 452

## Amyloid A

- human serum genes
- monocyte/macrophage cell line expression, 650

## Amyotrophic lateral sclerosis

- human
- murine transgenic model, central nervous system pathology, 1271

## Anaplastic large cell lymphoma

- Ki-1
- translocation in Hodgkin's disease, reverse transcriptase PCR, 1296

## Angiogenesis

- human coronary atherosclerotic plaques, 883
- ocular
- VEGF, temporal and spatial correlation, primates, 574
- in vitro* rat aortic
- promotion by VEGF, PDGF, and IGF-1, 1023

## Annexins

- expression alterations
- pathological neuronal and glial reactions, human hippocampus, 640

## Antibodies

- 280-kd coated pit protein
- traffic alterations, internalized proteins, 1526

## Anti-CD31

- delay of platelet adhesion/aggregation
- endothelial injury sites, mouse cerebral arterioles, 33

## Antigen. see also specific antigen

- presentation
- MHC-encoded transporter associated with, colorectal cancer, 505
- proliferating cell nuclear
- expression, progress prediction, human cardiac allograft rejection, 876

## Antigen, MN

- biomarker
- cervical intraepithelial squamous and glandular neoplasia and cervical carcinomas, 598

## APC

- c-K-ras mutations and
- colorectal carcinogenesis, earliest alterations, 531

## Apolipoprotein E

- genotype influence
- Alzheimer and Lewy body type senile dementia, eti-

ological significance, 1472  
potential role in fibrillogenesis, 526  
*in vitro*

fibril formation acceleration, Alzheimer's disease,  
1030

### **Apoptosis**

vascular smooth muscle cells  
protein kinase C and *Bcl-2* regulation, rat, 1265

### **Arenavirus**

pathological and virological features  
comparison of two Pichinde strains, guinea pigs,  
228

### **Arteriopathy**

post-cardiac transplant  
elastin fragmentation and serine elastase activity,  
piglets, 202

**Artery.** *see* specific artery

### **Arthritis**

adjuvant  
immunolocalization of bFGF and PDGF-A, Lewis rat,  
1127

### **Atresia**

biliary  
intercellular adhesion molecules in, increased ex-  
pression, 263

### **Autoimmune disease**

thymic epithelial defects and predisposition  
BB rats, 1517

### **Bax**

*Bcl-2* dominant inhibitor  
*in vivo* distribution, immunohistochemical determi-  
nation, 1323

### **Bcl-2**

embryogenesis and, 7  
expression  
human melanocytes and melanocytic tumors, 294  
Fas antigen and  
expression, non-Hodgkin's Lymphomas, 330  
immunoreactivity  
hormone receptor positivity correlation, breast car-  
cinoma, 535  
inhibited by Bax  
*in vivo* distribution, immunohistochemical determi-  
nation, 1323  
*Mcl-1* and  
normal and neoplastic lymph nodes, immunohisto-  
chemical analysis, 515  
murine development and, 61  
protein expression  
long-term survival and, breast cancer, 1191  
small cell lung carcinomas, 1036  
protein kinase C and

apoptosis regulation, vascular smooth muscle cells,  
rat, 1265

### **Beckwith-Wiedemann syndrome**

IGF-II gene and  
genotype as explanation of phenotype, 762  
overgrowth and neoplasia in  
IGF-II expression, early human development corre-  
lation, 802

### **Bile ductular cells**

evidence for hepatocyte origin  
Furan-treated rats, 375

### **Biomarkers**

MN antigen  
cervical intraepithelial squamous and glandular neo-  
plasia and cervical carcinomas, 598

### **Biopsies**

core sections  
bone marrow aspirate clot and, FISH, 1309  
endomyocardial  
after cardiac transplantation, myocardial ICAM-1  
and VCAM-1 expression, 1082

### **Bovine ENA**

monocyte-macrophage-derived IL-8 cytokine  
structure, function, and expression, acute pulmo-  
nary inflammation, 1382

### **Bovine lesion**

Holstein cattle  
cutaneous neurofibromatosis, comparison with hu-  
man type 1, 1168

### **Brain**

aged leprosy patient  
decreased  $\beta$ -amyloid, increased abnormal tau de-  
position, 771  
aging cerebral cortex  
senile plaques and amyloid deposits, neuronal in-  
jury, synaptic pathology and glial responses to,  
1358  
cerebral amyloid angiopathy  
soluble  $\beta$ 1-40, high tissue content, 452  
injury and neurodegenerative disease  
human hippocampus, annexin expression alter-  
ations, pathological neuronal and glial reactions,  
640  
isolated microvascular endothelial cells  
*S. fimbriated E. coli* to, binding characteristics, 1228  
microvessels  
patency altering factors, cerebral artery occlusion,  
Wistar rat, 728

### **Carcinoma**

human  
laminin 5,  $\gamma$ 2 chain, preferential expression in invad-  
ing malignant cells, 782  
osteopontin expression and distribution, 610

bronchogenic, IL-10 production by, 18

#### **Carcinoma, breast**

- Bcl-2* immunoreactivity
  - hormone receptor positivity correlation, 535
- Bcl-2* protein expression
  - long-term survival and, 1191
- male
  - proliferative activity, prognostic factor, 481
- medullary
  - ICAM-1 expression and, morphology and clinical behavior implications, 1337

#### **Carcinoma, cervical**

- cervical intraepithelial squamous and glandular neoplasia and
  - MN antigen as biomarker, 598
- human herpesvirus 16 and papillomavirus 16
  - detection in, 1509

#### **Carcinoma, colorectal**

- carcinogenesis
  - molecular biology meets histopathology, 1
- cathepsin B expression
  - correlation with tumor progression and patient survival, 301
- with DNA replication errors
  - microsatellite sequences, clinical and pathological characteristics, 148
- early alterations
  - APC involvement, 531
- human
  - cathepsin B and other proteases, 253
- invasive tumor regions
  - gelatinase A and cathepsin B, increased activity, 1285
- metastatic human colon carcinoma cells
  - oligosaccharides, cytochemical staining for  $\beta$ 1,6 branching, 470
- MHC-encoded transporter associated with antigen presentation
  - loss, 505

#### **Carcinoma, kidney**

- chromophobe renal cell
  - specific loss of chromosomes 1, 2, 6, 10, 13, 17, and 21, comparative genomic hybridization, 356
- human renal cell
  - fibroblast growth factor, organ site-dependent expression, 365

#### **Carcinoma, liver**

- hepatitis B virus infection and, 1001

#### **Carcinoma, lung**

- non-small cell
  - tumor infiltrating lymphomononuclear cells of, adhesion molecule and integrin expression in, cytokine production and expression, 322
- small cell

*Bcl-2* protein expression, 1036

squamous cell

p53 mutation patterns, early acquisition at early age, 1444

#### **Carcinoma, pancreatic**

- acinar and acinar/ductal phenotypes
  - lack of c-K-ras mutations, *Ela-1-myc* transgenic mice, 696

#### **Carcinoma, prostate**

- chromosome copy number aberration detection
  - FISH, 624
- progression
  - histopathological implications, 983

#### **Carcinoma, skeletal**

- giant cell tumors of bone
  - TGF- $\beta$ 1 and type II receptor, gene expression, 1095

#### **Carcinoma, thymic**

- CD5 expression, 268

#### **Cathepsin B**

- expression
  - colorectal carcinomas and, correlation with tumor progression and patient survival, 301
- human colorectal carcinoma and, 253
- gelatinase A and, increased activity, invasive tumor regions, human colon cancer, 1285

#### **Cathepsins**

- D and E
  - human leukocyte antigen-DR and, coexpression in human transplanted lung, 310

#### **CD4<sup>+</sup>**

- cytokine induction expression
  - vascular smooth muscle cell proliferation, arterial occlusion, after endothelial injury, 1008

#### **CD5**

- in thymic carcinoma, 268

#### **CD30**

- high expression in human decidual cells, 276

#### **CD3:CD4 molecular complex**

- T cell antigen receptor
  - surface diminishment, pulmonary lymphocytes, 1219

#### **Cell death**

- inhibition
  - Bcl-2* immunoreactivity, hormone receptor positivity correlation, breast carcinoma, 535

#### **Cell recognition signal**

- liver-regulating protein
  - liver/pancreas/gonads/hematopoietic tissue commonality, adult rat, 715

#### **Central nervous system**

- human fetal culture
  - astrocyte-induced microglial ramification, mediation by M-CSF, 48
- oligodendroglial tumors and mixed gliomas in

- molecular genetic analysis, 19q and 1p allelic deletions, 1175
- pathology
  - murine transgenic model, human ALS, 1271
- SJL/J mouse
  - experimental autoimmune encephalomyelitis, ICAM-1 and VCAM-1 in lymphocyte interaction with endothelium, 189
- Cerebral artery**
  - occlusion
    - patency altering factors after, brain microvessels, Wistar rat, 728
- Chemotaxis**
  - across collagen-coated membranes
    - $\alpha 1\beta 1$  and  $\alpha 2\beta 1$  integrin receptor expression, human vascular smooth muscle cells, 1070
- Cholangitis**
  - nonsuppurative inflammatory
    - hepatocarcinogenesis and, *mdr2* P-glycoprotein-deficient mice, 1237
- Chromosome**
  - copy number aberrations
    - prostate cancer, FISH, 624
  - loss of 1, 2, 6, 10, 13, 17, and 21
    - chromophobe renal cell carcinomas, comparative genomic hybridization, 356
- Chromosome 17**
  - abnormalities
    - TP53 mutations and, adult soft tissue sarcomas, 345
- Chronic fatigue syndrome**
  - atypical cytopathic virus
    - repeated isolation, cytomegalovirus-related sequence in, 440
- c-kit**
  - gene expression
    - cell type-specific deficiency, *mi/mi* genotype, mutant mice, 827
- c-K-ras**
  - mutations
    - acinar and acinar/ductal phenotype pancreatic carcinomas, *Ela-1myc* transgenic mice, 696
- Clones**
  - pathogenic (SIVmac239) and nonpathogenic (SIVmac1A11) molecular
    - SIV, early events in tissue, 428
- Collagen**
  - lung
    - gene expression during pulmonary fibrosis, role of myofibroblasts, 114
  - organization
    - keloid and hypertrophic scars, morphological and immunochemical differences, 105
- Colony-stimulating factor**
  - macrophage
    - mediation of astrocyte-induced microglial ramification, human fetal central nervous system culture, 48
- Corticobasal degeneration**
  - paired helical filaments in
    - ultrastructure and biochemical composition, 1496
- Corticotropin-releasing hormone**
  - immunoreactive
    - thyroid lesions, 1159
- Cyclin D1 protein**
  - expression in low-grade B-cell lymphomas
    - reactive hyperplasia and, 86
- Cytokeratins**
  - Mallory body-derived
    - filament insolubility after normal assembly, 1140
- Cytokines**
  - IL-10 production
    - by human bronchogenic carcinoma, 18
  - Th1 and Th2 responses
    - during pulmonary granuloma formation, mycobacterial and schistosomal antigen-induced, 1105
- Cytomegalovirus**
  - related sequence
    - chronic fatigue syndrome patient, repeated isolation of cytopathic virus, 440
- Decidual cells**
  - human
    - high expression of CD30, 276
- Deprivation**
  - oxygen and glucose
    - reversible endothelial cell relaxation by, *in vitro* ischemia model, 211
- Dexamethasone**
  - inhibits liver TNF- $\alpha$  mRNA induction and liver growth
    - lead nitrate and ethylene dibromide induction, 951
- Diabetes**
  - streptozotocin-induced
    - mice resistant to, IL-1 promotion of hyperglycemia and insulinitis, 661
- Dipin**
  - in hepatocarcinogenesis
    - origin and fate of oval cells in, mouse, 409
- DNA**
  - changes in sequence copy number
    - comparative genomic hybridization, archival paraffin-embedded tumors, 1301
  - replication errors in microsatellite sequences
    - sporadic colorectal carcinoma, clinical and pathological characteristics, 148

### **Elastin**

- arterial
  - degradation by matrix metalloproteinase-9, 1208
- fragmentation
  - increased serine elastase activity and, post-cardiac transplant arteriopathy, piglets, 202

### **Embryogenesis**

- Bcl-2* and, 7

### **Encephalomyelitis**

- experimental autoimmune
  - ICAM-1 and VCAM-1 lymphocyte interaction with endothelium, central nervous system of SJL/J mouse, 189

### **Endothelial cells**

- cultured aortic
  - guanosine-induced necrosis, 423
- cytokine-activated
  - 15-HETE, neutrophil migration inhibition, 541
- cytokine-activated human microvascular
  - chemokine gene expression and secretion, 913
- injury
  - cytokine expression, vascular smooth muscle proliferation, arterial occlusion, by CD4<sup>+</sup> mononuclear cell induction, 1008
- injury sites
  - mouse cerebral arterioles, platelet adhesion/aggregation delay by anti-CD31, 33
- isolated brain microvascular
  - S* fimbriated *E. coli*, binding characteristics, 1228
- polyinosinic:polycytidylic acid and
  - as potent activator, 137
- rat islet capillary
  - primary cultures, macrophage-like nitric acid synthase, expression and regulation by glucose concentration, 685
- reversible relaxation
  - by oxygen and glucose deprivation, *in vitro* ischemia model, 211
- vascular
  - ICAM-1 role, pathology of fatal malaria, 1057

### **Epidermis**

- human
  - IL-1 type II receptor detection, after organ culture and in psoriasis, 1048

### **Epithelial cells**

- leukocyte proteins
  - passive acquisition, phosphorylation changes and cell-cell adhesion properties, 930
- normal, dysplastic, and malignant oral
  - protein and mRNA expression, simple epithelial keratins, 1349
- rat liver serosal mesothelial and
  - isolation, propagation, and characterization, 1432
- thymic

- defects and predisposition, autoimmune disease, BB rats, 1517

### **Epitopes**

- microtubule-associated protein tau
  - in fiber lesions, muscle disorders, 175

### **Epstein-Barr virus**

- detection and characterization
  - clinical specimens, 239
- latent infection
  - cotton-top tamarins, human model, 969

### **Escherichia coli**

- S* fimbriated
  - binding characteristics, isolated brain microvascular endothelial cells, 1228

### **Explants**

- aortic
  - arterial elastin degradation, matrix metalloproteinase-9, 1208

### **Extracellular matrix**

- differential molecule expression
  - $\alpha_6$ -integrins, normal and neoplastic prostate, 167

### **Eyes**

- retinal and choroidal neovascularization
  - sickle cell disease, transgenic mouse, 490

### **Fas antigen**

- Bcl-2* protein and
  - expression, non-Hodgkin's lymphomas, 330

### **Fibril**

- formation acceleration
  - Alzheimer's disease, by *in vitro* apolipoprotein E, 1030

### **Fibrillogenesis**

- potential role of apolipoprotein-E, 526

### **Fibroblast growth factors**

- organ site-dependent expression
  - in human renal cell carcinoma cells, 365
- PDGF-A and
  - immunolocalization, adjuvant arthritis, Lewis rat, 1127

### **Fibroblasts**

- dermal
  - tumor suppression, *ras*-transformed keratinocytes, squamous cell differentiation induction, 846

### **Fibronectin**

- cellular
  - expression by platelets, macrophages, and mesangial cells, proliferative glomerulonephritis, 585

### **Fibrosis**

- pulmonary
  - lung collagen gene expression during, role of myofibroblasts, 114

### **Fibroblastoma**

- atypical



UV-induced p53 mutations in, 11

#### **FISH**

- bone marrow aspirate clot
- core biopsy sections and, 1309
- prostate cancer
- chromosome copy number aberration detection, 624

#### **Fixed drug eruption**

- ICAM-1 drug-induced expression
- lesional keratinocytes, 550

#### **Fourier transform infrared microspectroscopy**

- frozen white matter sections
- extravasated blood, rat brain, 1041

#### **Gammaherpesvirus**

- murine
- infected mice, lymphoproliferative disease, 818

#### **Gelatinase A**

- cathepsin B and
- increased activity, tumor regions of human colon cancer, 1285

#### **Genes**

- human serum amyloid A
- expression in monocyte/macrophage cell lines, 650
- mi/mi* genotype mutant mice
- c-kit* gene expression, cell type-specific deficiency, 827

#### **Glioma**

- mixed
- oligodendroglial tumors and, central nervous system, molecular genetic analysis, 19q and 1p allelic deletions, 1175
- tissue transglutaminase
- cell dying processes, immunohistochemical study, 776

#### **Glomerulonephritis**

- antibody-mediated
- IL-1 receptor antagonist and IL-1 $\beta$  genes in, glomerular expression, 126
- proliferative
- cellular fibronectin expression in, by platelets, macrophages, and mesangial cells, 585

#### **Glycol methacrylate**

- whole prostate pathology characterization
- novel approach, 54

#### **Glycoprotein**

- mdr2* P-
- deficient mice, nonsuppurative inflammatory cholangitis and hepatocarcinogenesis, 1237

#### **Golgi apparatus**

- physiology and pathology
- contributions, Rous-Whipple Award Lecture, 751

#### **Goodpasture's syndrome**

- experimental

pulmonary expression of ICAM-1 and LFA-1 in, 220

#### **Granuloma**

- mycobacterial and schistosomal antigen-induced pulmonary
- Th1 and Th2 cytokine responses, TNF contribution, 1105

#### **Growth factors**

- receptors and
- expression, during urothelium regeneration after acute injury, 1199

#### **Guanosine**

- necrosis induction
- cultured aortic endothelial cells, 423

#### **Heart**

- cultured aortic endothelial cells
- guanosine-induced necrosis, 423
- human atherosclerotic plaques
- angiogenesis, 883
- human cardiac allograft rejection
- histological diagnosis, progress prediction, proliferating cell nuclear antigen, 876
- post-transplant arteriopathy
- elastin fragmentation and serine elastase activity, piglets, 202
- transplantation
- human endomyocardial biopsies, myocardial ICAM-1 and VCAM-1 expression, 1082

#### **Helical filaments**

- paired
- corticobasal degeneration, ultrastructure and biochemical composition, Alzheimer's comparison, 1496

#### **Helicobacter hepaticus**

- cause of chronic active hepatitis
- mice, 959

#### **Hematopoiesis**

- crossing fetal tolerance and, 1247

#### **Heme oxygenase-1**

- Alzheimer's disease and
- neurofibrillary pathology of, 42

#### **Hepatitis**

- B virus infection
- hematopoietic tumors and, 1001
- chronic active
- mice, by *Helicobacter hepaticus*, 959

#### **Hepatocarcinogenesis**

- Dipin-induced
- origin and fate of oval cells in, mouse, 409
- transgenic
- rat, 384

#### **Hepatocytes**

- ductular
- bile ductular cell origin, Furan-treated rats, 375

increased proliferation  
liver enlargement and, TGF- $\alpha$  overexpression, transgenic mice, 398

### Herpes

latent Epstein-Barr virus infection  
cottontop tamarins, human model, 969

### Herpesvirus 6

human papillomavirus 16 and  
detection, cervical carcinoma, 1509

### Hippocampus

human  
pathological neuronal and glial reactions, annexin expression alterations, 640

### Hodgkin's disease

reverse transcriptase PCR  
Ki-1 ALCL translocation, 1296

### Hybridization

comparative genomic  
DNA sequence copy number changes, in archival paraffin-embedded tumor samples, 1301  
overview, 1253  
genomic  
chromophobe renal cell carcinomas, specific loss of chromosomes 1, 2, 6, 10, 13, 17, and 21, 356

### 15-Hydroxyeicosatetraenoic acid

neutrophil migration inhibition and  
cytokine-activated endothelium, 541

### Hyperglycemia

insulinitis and  
IL-1 promotion, mice resistant to streptozotocin-induced diabetes, 661

### Hyperplasia

islet inflammation and  
induction by pancreatic islet-specific IL-6 overexpression, transgenic mice, 157  
reactive  
low-grade B-cell lymphomas and, cyclin D1 protein expression in, 86

### Hypertension

neonatal hypoxic pulmonary  
fibronectin/tropoelastin/procollagen mRNA expression, persistence, re-expression, and induction, 1411

### Hypoplasia

rabbit fetus lung  
oligohydramnios induction, surfactant apoprotein A expression, immunohistochemical study, 631

### ICAM-1

in cerebral sequestration  
endothelial activation and, pathology of fatal malaria, 1057  
drug-induced expression  
lesional keratinocytes, fixed drug eruption, 550

expression  
medullary carcinoma and, morphology and clinical behavior, 1337

### LFA-1 and

pulmonary expression, experimental Goodpasture's syndrome, 220

### VCAM-1 and

expression in human endomyocardial biopsies, after cardiac transplantation, 1082  
lymphocyte interaction with endothelium, experimental autoimmune encephalomyelitis, central nervous system of SJL/J mouse, 189

### IL-1. see Interleukin-1

### IL-6. see Interleukin-6

### IL-10. see Interleukin-10

### Immunohistochemistry

anti-rat macrophage Mab  
tumor distribution pattern, transplanted rat tumors, 856  
determination of *in vivo* Bax distribution, 1323  
Wilms' tumors  
neurotrophin receptors p75 and trk identification, 792

### Immunosuppression

hematopoietic placental protein 14  
cells of megakaryocytic lineage, 1485

### Inclusion-body myositis

hereditary inclusion-body myopathy and  
prion protein mRNA, abnormal accumulation in muscle fibers, 1280

### Insulin-like growth factor-1

VEGF, PDGF and  
*in vitro* rat aortic angiogenesis promotion by, 1023

### Insulin-like growth factor-II

expression  
Beckwith-Wiedemann syndrome, overgrowth and neoplasia, early human development correlation, 802  
gene  
Beckwith-Wiedemann syndrome and, 762

### Insulinitis

hyperglycemia and  
IL-1 promotion, mice resistant to streptozotocin-induced diabetes, 661

### Integrins

$\alpha_6$   
extracellular matrix molecules and, differential expression, normal and neoplastic prostate, 167  
adhesion molecules and  
cytokine production and expression, tumor infiltrating lymphomononuclear cells, non-small cell lung carcinomas, 322  
 $\alpha 1\beta 1$  and  $\alpha 2\beta 1$  receptor expression  
human vascular smooth muscle cells, chemotaxis



- across collagen-coated membranes, 1070  
Mab HML-1-defined  $\alpha^E\beta 7$  expression  
cutaneous T cell lymphoma, 1148
- Interferon- $\gamma$**   
response of monocyte chemoattractant protein-1 and IL-8  
differential regulation, cytokine-activated human microvascular endothelial cells, 913
- Interleukin-1**  
hyperglycemia and insulinitis promotion  
mice resistant to streptozotocin-induced diabetes, 661  
receptor antagonist  
interleukin-1 $\beta$  genes and, glomerular expression in antibody-mediated glomerulonephritis, 126  
type II receptors  
detection in human epidermis, after organ culture and in psoriasis, 1048
- Interleukin-6**  
pancreatic islet-specific overexpression of  
islet inflammation and hyperplasia, transgenic mice, 157
- Interleukin-10**  
production  
by human bronchogenic carcinoma, 18
- Intrathymic autosenesitization**  
myasthenia gravis  
myogenesis, thymic transplants, severe combined immunodeficient mouse, 766
- Ischemia**  
*in vitro* model  
reversible endothelial cell relaxation, oxygen and glucose deprivation, 211  
warm reperfusion and  
liver dysfunction determinant, hepatic microcirculatory perfusion failure, 1421
- Kaposi's sarcoma**  
oncostatin-M in  
autocrine growth factor, 74
- Keratinocyte growth factor**  
estrogen and progesterone interaction  
cystic dilation, mouse mammary glands, 1015  
pancreatic ductal epithelial proliferation induction by, 80
- Keratinocytes**  
lesional  
ICAM-1 drug-induced expression, fixed drug eruption, 550  
Mel-CAM/MUC18 expression regulation  
on melanocytes, stages of tumor progression, 837
- Keratins**  
simple epithelial  
protein and mRNA expression, in normal, dysplastic, and malignant oral epithelia, 1349
- Kidney**  
human renal cell carcinoma cells  
basic fibroblast growth factor in, organ site-dependent expression, 365
- K-ras**  
mutations  
pancreatic ductal proliferative lesions, 1547
- Laminin**  
isoforms  
 $\gamma 2$  chain, human cancers, preferential expression in invading malignant cells, 782
- Legionnaires' disease**  
replicative *L. pneumophila* lung infection  
A/J mice, human model, 1537
- Legionella pneumophila**  
replicative lung infection  
A/J mice, human legionnaires's disease model, 1537
- Leprosy**  
aged patient  
brain, decreased  $\beta$ -amyloid, increased abnormal tau deposition, 771
- Lesions.** *see also* specific type  
muscle fiber  
microtubule-associated protein tau epitopes in, 175  
pancreatic ductal proliferative  
K-ras mutations, 1547
- Leukemia**  
evolution  
p53 expression in myeloid cells, myelodysplastic syndromes, 338  
p53 gain-of-function mutations  
induction of lymphohematopoietic metastatic potential and tissue invasiveness, 702
- Leukocyte antigen-DR**  
aspartic proteinases and  
coexpression, human transplanted lung, 310
- Leukocytes**  
elicitation to inflamed tissue  
chemokine gene expression and secretion, cytokine-activated human microvascular endothelial cells, 913  
mononuclear  
recruitment inhibition, MAb L-selectin blockade, inflammatory sites *in vivo*, 461  
proteins  
passive acquisition, changes in cellular protein phosphorylation and cell-cell adhesion properties and, 930
- Lewy body type**  
Alzheimer and

senile dementia, apolipoprotein E influence, etiological significance, 1472

#### **LFA-1**

ICAM-1 and  
pulmonary expression, experimental Goodpasture's syndrome, 220

#### **Liver**

acetylaminofluorene-treated regenerating rat  
cell behavior, light and electron microscopic observations, 1114  
dysfunction  
warm ischemia-reperfusion, hepatic microcirculatory perfusion failure, 1421  
enlargement  
increased hepatocyte proliferation, TGF- $\alpha$  overexpression, transgenic mice, 398  
mouse  
dipin-induced hepatocarcinogenesis, origin and fate of oval cells, 409  
pathology  
*mdr2* P-glycoprotein-deficient mice, nonsuppurative inflammatory cholangitis and hepatocarcinogenesis, 1237  
rat serosal mesothelial cells  
isolation, propagation, and characterization, 1432  
TNF- $\alpha$  mRNA induction and growth inhibition  
induced by lead nitrate and ethylene dibromide, by dexamethasone, 951

#### **Liver-regulating protein**

cell recognition signal  
liver/pancreas/gonads/hematopoietic tissue commonality, adult rat, 715

#### **Lung**

human transplanted  
aspartic proteinases and human leukocyte antigen-DR, coexpression in, 310  
pulmonary expression of ICAM-1 and LFA-1  
experimental Goodpasture's syndrome, 220  
replicative *L. pneumophila* infection  
A/J mice, human Legionnaires' disease model, 1537

#### **Lymph nodes**

normal and neoplastic  
*Mcl-1* and *Bcl-2* proteins, immunohistochemical analysis, 515

#### **Lymphocytes**

pulmonary  
CD3:CD4 molecular complex, surface diminishment, 1219

#### **Lymphoma**

cutaneous T cell  
Mab HML-1-defined  $\alpha^E\beta 7$  integrin expression, 1148  
low-grade B-cell

reactive hyperplasia and, cyclin D1 protein expression in, 86

non-Hodgkin's

*Bcl-2* protein and Fas antigen expression, 330

#### **Lymphoproliferative disease**

mice  
murine gammaherpesvirus 68, 818

#### **Lymphoreticular disease**

T cell-mediated  
transplantation, from scurfy mouse, 281

#### **Lynch syndrome**

hereditary nonpolyposis colorectal cancer  
carcinogenesis, molecular biology meets histopathology

#### **Macrophages**

activation and muscle remodeling  
myotendinous junctions, after muscle loading modifications, 1463  
distribution pattern  
transplanted rat tumors, by Mab, 856  
osteopontin expression  
myocardial necrosis repair, 1450  
platelets, mesangial cells, and  
cellular fibronectin expression by, proliferative glomerulonephritis, 585

#### **Major histocompatibility complex**

loss  
encoded transporter associated with antigen presentation, colorectal cancer, 505

#### **Malaria**

fatal  
pathology, immunohistochemical study, potential ICAM-1 role, endothelial activation evidence, 1057

#### **Mallory body**

filaments  
insolubility after normal assembly, 1140

#### **Mcl-1**

*Bcl-2* and  
normal and neoplastic lymph nodes, immunohistochemical analysis, 515

#### **MDM-2**

p53 and  
infrequency of gene alterations, clinically localized, stage B prostate adenocarcinoma, 287

#### **Melanocyte**

Melanocytic tumors and  
*Bcl-2* expression in, 294  
Mel-CAM/MUC 18 expression regulation  
by normal keratinocytes, stages of tumor progression, 837

#### **Melanoma**

malignant

- TGF- $\beta$ 2 expression in, correlation with depth of tumor invasion, 97
- thin malignant
- vascularization extent, prognostic indicator, 510
- Melanoma cell adhesion molecule**
- expression regulation on melanocytes
- keratinocytes, stages of tumor progression, 837
- Mesangial cells**
- platelets, macrophages, and
- cellular fibronectin expression by, proliferative glomerulonephritis, 585
- Mesothelial cells**
- rat liver serosal
- isolation, propagation, and characterization, 1432
- Metalloproteinase-9**
- matrix
- degradation of arterial elastin, 1208
- Microglia**
- astrocyte-induced ramification
- human fetal central nervous system culture, mediation by M-CSF, 48
- Microsatellite sequences**
- colorectal carcinomas with DNA replication errors in clinical and pathological characteristics, 148
- Microscopy**
- light and electron
- cell behavior observations, acetylaminofluorene-treated regenerating rat liver, 1114
- Microvessels**
- brain
- patency altering factors, cerebral artery occlusion, Wistar rats, 728
- mi factor**
- mi/mi* genotype mutant mice
- c-kit* gene expression, cell type-specific deficiency, 827
- Monoclonal antibodies**
- anti-rat macrophage
- tumor distribution pattern, transplanted rat tumors, 856
- HML-1-defined  $\alpha^E\beta 7$  integrin expression
- cutaneous T cell lymphoma, 1148
- L-selectin blockade
- mononuclear leukocyte recruitment inhibition, inflammatory sites *in vivo*, 461
- recombinant factor VIIa and
- as probes, tissue factor expression, *in situ* characterization, human tumors, 1315
- Murine**
- development
- Bcl-2* protein expression during, 61
- Muscle**
- disorders
- fiber lesions, microtubule-associated protein tau epitopes in, 175
- Muscle, skeletal**
- developmentally regulated proteins
- expression, rhabdomyosarcomas, 895
- Muscle, smooth**
- $\alpha$
- actin-positive cells, healing human myocardial scars, 868
- human vascular cells
- $\alpha 1\beta 1$  and  $\alpha 2\beta 1$  integrin receptor expression, chemotaxis across collagen-coated membranes, 1070
- proliferation
- cytokine expression, arterial occlusion, CD4<sup>+</sup> induction after endothelial injury, 1008
- vascular
- apoptosis, protein kinase C and *Bcl-2* regulation, rat, 1265
- Muscle cells**
- striated
- thymic myoid cell differentiation, myasthenia gravis, severe combined immunodeficient mouse, 766
- Muscle fibers**
- prion protein mRNA abnormal accumulation
- inclusion-body myositis, hereditary inclusion-body myopathy, 1280
- Muscle loading**
- modifications
- macrophage activation and muscle remodeling, myotendinous junctions, 1463
- Mutations**
- p53 gain-of-function
- induction of lymphohematopoietic metastatic potential and tissue invasiveness, 702
- Myasthenia gravis**
- severe combined immunodeficient mouse
- myogenesis, thymic transplants, 766
- Myelodysplastic syndromes**
- p53 expression
- myeloid cells, overt leukemia evolution, 338
- Myelomonocyte**
- cell-infiltrated tissues
- autoimmune motheaten mice, stefin A cysteine proteinase inhibitor increased expression, 902
- Myocardium**
- infarction
- healing scars,  $\alpha$ -smooth muscle actin-positive cells, 868
- necrosis repair
- macrophage osteopontin expression during, 1450
- Myofibroblasts**
- role in lung collagen gene expression
- during pulmonary fibrosis, 114

$\alpha$ -smooth muscle actin-positive cells  
healing human myocardial scars, 868

#### **Myotendinous junctions**

macrophage activation and muscle remodeling  
after muscle loading modifications, 1463

#### **Neoplasia**

cervical intraepithelial squamous and glandular  
cervical carcinomas and, MN antigen as biomarker,  
598  
overgrowth and  
Beckwith-Wiedemann syndrome, IGF-II expression,  
early human development correlation, 802

#### **Neovascularization**

retinal and choroidal  
sickle cell disease, transgenic mouse, 490

#### **Neurofibrillary pathology**

Alzheimer's disease  
heme oxygenase-1 and, 42

#### **Neurofibromatosis**

naturally occurring cutaneous  
Holstein cattle, comparison with human type 1,  
1168  
related tumors  
natural occurrence, animal models, 994

#### **Neurotrophin**

receptors p75 and trk  
identification, Wilms' tumors, 792

#### **Neutrophils**

migration  
across cytokine-activated endothelium, inhibition by  
15-HETE, 541

#### **nm23 gene**

protein  
in neoplastic and nonneoplastic thyroid tissues, 26

#### **Oligodendroglial tumors**

mixed gliomas and  
central nervous system, molecular genetic analysis,  
19q and 1p allelic deletions, 1175

#### **Oligohydramnios**

rabbit fetus hypoplastic lung  
expression of surfactant apoprotein in, immunohis-  
tochemical study, 631

#### **Oligosaccharides**

cytochemical staining for  $\beta$ 1,6 branching  
metastatic human cclon carcinoma cells, 470

#### **Oncogenes**

polyoma middle T  
murine pancreatic ductal adenocarcinoma, *in vitro*  
transduction, islets of Langerhans, 671  
transgenic hepatogenesis  
rat, 384

#### **Oncostatin-M**

autocrine growth factor  
Kaposi's sarcoma, 74

#### **Osteoclast**

-like cells  
bone, TGF- $\beta$ 1 and type II receptor, gene expression,  
1095

#### **Osteopontin**

expression and distribution  
human carcinoma, 610  
macrophage expression  
myocardial necrosis repair, 1450

#### **Oval cells**

behavior  
acetylaminofluorene-treated regenerating rat liver,  
light and electron microscopic observations, 1114  
origin and fate  
Dipin-induced hepatocarcinogenesis, mouse, 409

#### **p53**

expression in myeloid cells  
myelodysplastic syndromes, overt leukemia evolu-  
tion, 338  
gain-of-function mutations  
lymphohematopoietic metastatic potential and tis-  
sue invasiveness induction, 702  
MDM-2 and  
infrequency of gene alterations, clinically localized,  
stage B prostate adenocarcinoma, 287  
mutation patterns  
squamous cell lung carcinoma, early acquisition at  
early age, 1444  
protein expression  
precursor lesions, adenocarcinoma of human pan-  
creas, 1291  
UV-induced mutations  
in atypical fibroxanthoma, 11

#### **Pancreas**

ductal proliferative lesions  
K-ras mutations, 1547  
human adenocarcinoma  
precursor lesions, p53 protein expression, 1291  
islet-specific IL-6 overexpression  
islet inflammation and hyperplasia, transgenic mice,  
157

#### **Pancreatic duct**

epithelial proliferation  
induction by keratinocyte growth factor, 80  
murine adenocarcinoma  
polyoma middle T oncogene, *in vitro* transduction,  
islets of Langerhans, 671

#### **Papillomavirus 16**

human herpesvirus 6 and  
detection, cervical carcinoma, 1509

## **Pathogenesis**

early

SIV, pathogenic (SIVmac239) and nonpathogenic (SIVmac1A11) molecular clones, 428

## **Pheochromocytomas**

paraffin-embedded

*RET* proto-oncogene point mutation detection, non-radioactive single-strand conformation polymorphism analysis and direct sequencing, 922

## **Pichinde**

comparison of two strains

pathological and virological features of arenavirus, guinea pigs, 228

## **Placental protein 14**

hematopoietic

in cells of megakaryocytic lineage, 1485

## **Plaques**

human coronary atherosclerotic

angiogenesis, 883

senile

amyloid deposits and, aging cerebral cortex, neuronal injury, synaptic pathology and glial responses to, 1358

## **Platelet-derived growth factor**

A and bFGF

immunolocalization, adjuvant arthritis, Lewis rat, 1127

recombinant BB

chronic pressure ulcer treatment, tissue repair processes, 1399

VEGF, IGF-1 and

*in vitro* rat aortic angiogenesis promotion by, 1023

## **Platelets**

adhesion/aggregation

delay by anti-CD31, endothelial injury sites, mouse cerebral arterioles, 33

macrophages, mesangial cells, and

cellular fibronectin expression by, proliferative glomerulonephritis, 585

## **Point mutations**

*RET* proto-oncogene

detection in pheochromocytomas, nonradioactive single-strand conformation polymorphism analysis and direct sequencing, 922

## **Polyinosinic:polycytidylic acid**

as potent activator

endothelial cells, 137

## **Polymerase chain reaction**

reverse transcriptase

Ki-1 ALCL, Hodgkin's disease, 1296

*in situ*

questioning, 741

## **Prion**

protein mRNA

abnormal accumulation, muscle fibers, inclusion-body myositis and hereditary myopathy, 1280

## **Proliferative activity**

prognostic factor

male breast carcinoma, 481

## **Prosaposin**

mRNA

in mouse murine tissue, developmental and tissue-specific expression, 1390

## **Prostate**

cancer progression

histopathological implications, 983

normal and neoplastic

extracellular matrix molecules and  $\alpha_6$ -integrins, differential expression, 167

stage B adenocarcinomas

infrequency of alterations in p53 and MDM-2 genes, 287

whole pathology characterization

in glycol methacrylate, novel approach, 54

## **Protein**

internalized

280-kd coated pit protein antibodies, traffic alterations, 1526

leukocyte

passive acquisition, phosphorylation changes and cell-cell adhesion properties, 930

nm23 gene

in thyroid tissues, neoplastic and nonneoplastic, 26

## **Proteinases**

serine

metalloproteinases and, organ-cultured human skin, 561

## **Pulmonary artery**

fibronectin/tropoelastin/procollagen mRNA expression

persistence, re-expression, and induction, neonatal hypoxic pulmonary hypertension, 1411

## **Pulmonary inflammation**

bovine ENA

structure, function, and expression, 1382

## **ras**

-transformed keratinocyte suppression

dermal fibroblasts, squamous cell differentiation induction association, 846

## **Reperfusion**

warm ischemia and

liver dysfunction determinant, hepatic microcirculatory perfusion failure, 1421

## **Retinoic acid**

altered levels

loss of epidermal cohesion and, organ-cultured human skin, 561



**RET proto-oncogene**

- point mutations
- detection in paraffin-embedded pheochromocytoma specimens, detection, nonradioactive single-strand conformation polymorphism analysis and direct sequencing, 922

**Rhabdomyosarcoma**

- developmentally regulated muscle proteins in expression, 895

**RNA, messenger**

- prion protein
- abnormal accumulation, in muscle fibers, inclusion-body myositis and hereditary myopathy, 1280
- prosaposin
- developmental and tissue-specific expression, mouse murine tissues, 1390
- protein and
- simple epithelial keratin expression, in normal, dysplastic, and malignant oral epithelia, 1349

**Sarcoma**

- adult soft tissue
- chromosome 17 abnormalities and TP53 mutations, 345

**Scars**

- keloid and hypertrophic
- morphological and immunochemical differences, 105

**Scurfy**

- in mouse
- T cell-mediated lymphoreticular disease from, 281

**L-Selectin**

- MAb blockade
- mononuclear leukocyte recruitment inhibition, inflammatory sites *in vivo*, 461

**Senile dementia**

- Alzheimer and Lewy body type
- apolipoprotein E influence, etiological significance, 1472

**S fimbriae**

- E. coli*
- binding characteristics, brain microvascular endothelial cells, 1228

**Sickle cell disease**

- transgenic mouse
- retinal and choroidal neovascularization, 490

**Simian immunodeficiency virus**

- pathogenic (SIVmac239) and nonpathogenic (SIVmac1A11) molecular clones
- early events in tissue, 428

**Skin**

- organ-cultured human
- serine proteinase and metalloproteinase expression, 561

**Smoke inhalation**

- effects
- alveolar surfactant subtypes, mice, 941

**Squamous cell**

- differentiation induction
- ras-transformed keratinocyte suppression, dermal fibroblasts, 846
- lung carcinoma
- p53 mutation patterns, early acquisition at early age, 1444

**Staining**

- cytochemical
- $\beta$ 1,6 branching, oligosaccharides, metastatic human colon carcinoma cells, 470

**Stefin**

- A cysteine proteinase inhibitor
- increased expression, myelomonocytic cell-infiltrated tissue, autoimmune motheaten mice, 902

**Streptozotocin**

- induced diabetes
- mice resistant to, IL-1 promotion of hyperglycemia and insulinitis, 661

**Surfactant apoprotein A**

- rabbit fetus hypoplastic lung
- oligohydramnios induction, immunohistochemical study, 631

**Surfactants**

- alveolar subtypes
- mice, smoke inhalation effects on, 941

**Synthases**

- constitutive and cytokine-inducible macrophagelike nitric oxide
- expression and regulation by glucose concentration, rat islet capillary endothelial cells, 685

**Tau protein**

- corticobasal degeneration
- paired helical filaments, ultrastructure and biochemical composition, Alzheimer's comparison, 1496
- microtubule-associated epitopes
- in fiber lesions, muscle disorders, 175

**T cells**

- antigen receptor CD3:CD4 molecular complex
- surface diminishment, pulmonary lymphocytes, 1219

**TGF. see Transforming growth factors**

**Thymus**

- epithelial defects and predisposition
- autoimmune disease, BB rats, 1517
- myogenesis in transplants
- severe combined immunodeficient mouse, myasthenia gravis, 766

**Thyroid**

- lesions



immunoreactive CRH, presence, 1159  
neoplastic and nonneoplastic tissue  
nm23 gene protein, 26

## Tissue

distribution  
liver-regulating protein, liver/pancreas/gonads/he-  
matopoietic tissue commonality, adult rat, 715  
frozen white matter sections  
extravasated blood, rat brain, FT-IR microspectros-  
copy, 1041  
grafting  
crossing fetal tolerance and hematopoiesis, 1247  
invasiveness  
lymphohematopoietic metastatic potential and, in-  
duction by p53 gain-of-function mutations, 702  
mouse murine  
prosaposin mRNA in, developmental and tissue-  
specific expression, 1390  
myelomonocytic cell-infiltrated  
stefin A cysteine proteinase inhibitor increased ex-  
pression, autoimmune motheaten mice, 902  
transglutaminase  
gliomas, cell dying processes, immunohistochemi-  
cal study, 776

## Tissue factor

antigenic and functional expression  
Mabs and recombinant factor VIIa as probes, *in situ*  
characterization, human tumors, 1315

## Transforming growth factors

$\beta 1$   
type II receptor and, gene expression in giant cell  
tumors of bone, 1095  
 $\beta 2$   
expression in malignant melanoma, correlation with  
depth of tumor invasion, 97  
 $\alpha$   
overexpression, cause of liver enlargement and in-  
creased hepatocyte proliferation, transgenic  
mice, 398

## Transglutaminase

tissue  
gliomas, cell dying processes, immunohistochemi-  
cal study, 776

## Transplantation

cardiac  
human allograft rejection, proliferating cell nuclear  
antigen expression, histological diagnosis, 876

## Tumor. see also specific type or site

human  
antigenic and functional tissue factor expression, by  
Mabs and recombinant factor VIIa, *in situ* charac-  
terization, 1315

## Tumor invasion

depth

correlation with TGF- $\beta 2$  expression in malignant  
melanoma, 97

## Tumor necrosis factor

$\alpha$

mRNA induction and liver growth inhibition, by lead  
nitrate and ethylene dibromide, 951  
Th1 and Th2 cytokine production and  
mycobacterial and schistosomal antigen-induced  
pulmonary granuloma formation, 1105

## Tumor progression

Mel-CAM/MUC 18 expression regulation on melano-  
cytes  
by keratinocytes, 837  
shortened patient survival and  
colorectal carcinomas, cathepsin B expression in,  
301

## Ulcers

chronic pressure  
recombinant PDGF-BB, tissue repair processes,  
1399

## Urothelium

regeneration  
after acute injury, growth receptor and receptor ex-  
pression, 1199

## Vascular adhesion

ICAM-1 and VCAM-1 in lymphocyte interaction with  
endothelium  
experimental autoimmune encephalomyelitis, cen-  
tral nervous system of SJL/J mouse, 189

## Vascular endothelial growth factor

PDGF, IGF-1 and  
*in vitro* rat aortic angiogenesis promotion by, 1023

## Vascularization

prognostic indicator  
thin malignant melanoma, 510

## VCAM-1

ICAM-1 and  
lymphocyte interaction with endothelium, experi-  
mental autoimmune encephalomyelitis, central  
nervous system of SJL/J mouse, 189

## VEGF

ocular angiogenesis, temporal and spatial correlation,  
primates, 574

## Wilms' tumor

neurotrophin  
receptors p75 and trk, identification, 792

## Wound healing

chronic pressure ulcers  
tissue repair processes, recombinant PDGF-BB,  
1399

# Index of Authors

Volume 145, 1994

- Adamis AP:** see Miller JW, 574  
**Adams DH:** see Hancock WW, 1008  
**Affigne S:** see Faris RA, 1432  
**Affinito K-S:** see Knox JD, 167  
**Agathangelou A:** see Niedobitek G, 969  
**Ahmed K:** see Martin WJ, 440  
**Akagi T:** see Kondo E, 330  
**Albino AP:** see Reed JA, 97  
**Alison M:** see Sarraf C, 1114  
**Allison J:** see Campbell IL, 157  
**Allman RM:** see Pierce GF, 1399  
**Allmann-Iselin I, Car BD, Zwahlen RD, Mueller-Schüpbach R, Wyder-Walther M, Steckholzer U, Walz A:** Bovine ENA, a new monocyte-macrophage derived cytokine of the interleukin-8 family: structure, function, and expression in acute pulmonary inflammation, 1382  
**Ambinder RF, Mann RB:** Detection and characterization of Epstein-Barr virus in clinical specimens, 239  
**Angell E:** see Qu Z, 1127  
**Anilkumar TV:** see Sarraf C, 1114  
**Ansari AA:** see Herskowitz A, 1082  
**Anver MR:** see Ward JM, 959  
**Arai K:** see Hishima T, 268  
**Arbustini E, Morbini P, Diegoli M, Grasso M, Fasani R, Vitulo P, Fiocca R, Cremaschi P, Volpato G, Martinelli L, Viganò M, Samloff IM, Solcia E:** Coexpression of aspartic proteinases and human leukocyte antigen-DR in human transplanted lung, 310  
**Arno J:** see Sunil-Chandra NP, 818  
**Arnold A:** see Yang W-I, 86  
**Aronson JF, Herzog NK, Jerrells TR:** Pathological and virological features of arenavirus disease in guinea pigs: comparison of two Pichinde virus strains, 228  
**Asa SL:** see Mlinaric-Rascan I, 902  
**Asabe K, Toki N, Hashimoto S, Suita S, Sueishi K:** An immunohistochemical study of the expression of surfactant apoprotein in the hypoplastic lung of rabbit fetuses induced by oligodramnios, 631  
**Askanas V:** see Sarkozi E, 1280  
**Atkins RC:** see Hill PA, 220  
**Aukerman SL:** see Yi ES, 80, 1015  
**Ayani E:** see Le Panse S, 1526  
**Bacus SS, Zelnick CR, Chin DM, Yarden Y, Kaminsky DB, Bennington J, Wen D, Marcus JN, Page DL:** Medullary carcinoma is associated with expression of intercellular adhesion molecule-1: implication to its morphology and its clinical behavior, 1337  
**Baer R:** *Bcl-2* breathes life into embryogenesis, 7  
**Barbet JP:** see Wijnaendts LCD, 895  
**Barnes JL, Hastings RR, De La Garza MA:** Sequential expression of cellular fibronectin by platelets, macrophages, and mesangial cells in proliferative glomerulonephritis, 585  
**Baroni CD:** see Vitolo D, 322  
**Bedoya AA:** see Yi ES, 1015  
**Bedoya A:** see Yi ES, 80  
**Beilharz M:** see Zheng MH, 1095  
**Belchis D:** see Dillon P, 263  
**Benditt EP:** see Urieli-Shoval S, 650  
**Bennington J:** see Bacus SS, 1337  
**Benveniste RE:** see Ward JM, 959  
**Ben-Ezra JM, Kornstein MJ, Grimes MM, Krystal G:** Smart cell carcinomas of the lung express the *Bcl-2* protein, 1036  
**Berean K:** see Krajewski S, 515  
**Berendt AR:** see Turner GDH, 1057  
**Bergeron C:** see Pollanen MS, 1140  
**Berman ML:** see Liao SY, 598  
**Berneman Z:** see Chen M, 1509  
**Berse B:** see Brown LF, 610  
**Berse B:** see Miller JW, 574  
**Bertheau P, De La Rosa A, Steeg PS, Merino MJ:** NM23 protein in neoplastic and nonneoplastic thyroid tissues, 26  
**Bhargava V, Kell DL, van de Rijn M, Warnke RA:** *Bcl-2* immunoreactivity in breast carcinoma correlates with hormone receptor positivity, 535  
**Bikhazi NB:** see Yi ES, 80  
**Blum HE:** see Galun E, 1001  
**Bodrug S:** see Krajewski S, 515  
**Boiocchi M:** see Dei Tos AP, 11  
**Bonsignore G:** see Vitolo D, 322  
**Boons J:** see Lübke U, 175  
**Borst P:** see Mauad TH, 1237  
**Boschman CR, Stryker S, Reddy JK, Rao MS:** Expression of p53 protein in precursor lesions and adenocarcinoma of human pancreas, 1291  
**Boswell CA:** see Doukas J, 211

- Bove KE:** see Witte DP, 762  
**Brady HR:** see Takata S, 541  
**Brewer C:** see Liao SY, 598  
**Brieland J, Freeman P, Kunkel R, Chrisp C, Hurley M, Fantone J, Engleberg C:** Replicative *Legionella pneumophila* lung infection in intratracheally inoculated A/J mice: a murine model of human Legionnaires' disease, 1537  
**Brosnan CF:** see Liu W, 48  
**Brown LF, Papadopoulos-Sergiou A, Berse B, Manseau EJ, Tognazzi K, Perruzzi CA, Dvorak HF, Senger DR:** Osteopontin expression and distribution in human carcinomas, 610  
**Brown LF:** see Miller JW, 574  
**Brown MD:** see Eberhard DA, 640  
**Brown Z, Gerritsen ME, Carley WW, Strieter RM, Kunkel SL, Westwick J:** Chemokine gene expression and secretion by cytokine-activated human microvascular endothelial cells: differential regulation of monocyte chemoattractant protein-1 and interleukin-8 in response to interferon- $\gamma$ , 913  
**Bucana CD:** see Singh RK, 365  
**Buley ID:** see Turner GDH, 1057  
**Burdick MD:** see Smith DR, 18  
**Burmeister B:** see Varani J, 561  
**Butcher EC:** see Steffen BJ, 189  
**Butler-Browne GS:** see Wijnaendts LCD, 895  
  
**Cai J, Gill PS, Masood R, Chandrasoma P, Jung B, Law RE, Radka SF:** Oncostatin-M is and autocrine growth factor in Kaposi's sarcoma, 74  
**Campbell IL, Hobbs MV, Dockter J, Oldstone MBA, Allison J:** Islet inflammation and hyperplasia induced by the pancreatic islet-specific overexpression of interleukin-6 in transgenic mice, 157  
**Campo E, Muñoz J, Miquel R, Palacín A, Cardesa A, Sloane BF, Emmert-Buck MR:** Cathepsin B expression in colorectal carcinomas correlates with tumor progression and shortened patient survival, 301  
**Campo E:** see Emmert-Buck MR, 1285  
**Cannas A:** see Ledda-Columbano GM, 951  
**Car BD:** see Allmann-Iselin I, 1382  
**Cardesa A:** see Campo E, 301  
**Carley WW:** see Brown Z, 913  
**Cashman SJ:** see Tam FWK, 126  
**Castaño EM:** see Wisniewski T, 1030  
**Cavalchire G:** see Ladanyi M, 1296  
**Ceuterick C:** see Lübke U, 175  
**Cha C-J:** see Faris RA, 1432  
**Chader GJ:** see Smith MA, 42  
**Chaganti RSK:** see Houldsworth J, 1253  
**Chandrasoma P:** see Cai J, 74  
**Chao M:** see Donovan MJ, 792  
**Chatelet F:** see Le Panse S, 1526  
**Chen M, Wang H, Woodworth CD, Lusso P, Berneman Z, Kingma D, Delgado G, DiPaolo JA:** Detection of human herpesvirus 6 and human papillomavirus 16 in cervical carcinoma, 1509  
**Chen RH, Fuggle SV:** Questioning *in situ* PCR, 741  
**Chen S:** see Garcia JH, 728  
**Chensue SW, Warmington K, Ruth J, Lincoln P, Kuo M-C, Kunkel SL:** Cytokine responses during mycobacterial and schistosomal antigen-induced pulmonary granuloma formation: production of Th1 and Th2 cytokines and relative contribution of tumor necrosis factor, 1105  
**Chin DM:** see Bacus SS, 1337  
**Chiusa L:** see Pich A, 481  
**Choi-Miura N-H:** see Gallo G, 526  
**Chrisp C:** see Brieland J, 1537  
**Christiansen G:** see Komminoth P, 922  
**Chrousos GP:** see Scopa CD, 1159  
**Chu L:** see Isola J, 1301  
**Chui D-H, Tabira T, Izumi S, Koya G, Ogata J:** Decreased  $\beta$ -amyloid and increased abnormal tau deposition in the brain of aged patients with leprosy, 771  
**Cilley R:** see Dillon P, 263  
**Citadelle D:** see Le Panse S, 1526  
**Clark V:** see Knox JD, 167  
**Cohen IK:** see Ehrlich HP, 105  
**Collins FS:** see Sartin EA, 1168  
**Collins VP:** see Reifemberger J, 1175  
**Columbano A:** see Ledda-Columbano GM, 951  
**Compton CC:** see Ehrlich HP, 105  
**Contrino J, Hair GA, Schmeizl MA, Rickles FR, Kreutzer DL:** *In situ* characterization of antigenic and functional tissue factor expression in human tumors utilizing monoclonal antibodies and recombinant factor VIIa as probes, 1315  
**Cordon-Cardo C:** see Latres E, 345  
**Cork LC:** see Martin LJ, 1358  
**Corlu A, Ilyin GP, Gérard N, Kneip B, Rissel M, Jégou B, Guguen-Guillouzo C:** Tissue distribution of liver regulating protein: evidence for a cell recognition signal common to liver, pancreas, gonads, and hemopoietic tissues, 715  
**Costantini F:** see Luffy GA, 490  
**Cras P:** see Lübke U, 175  
**Cremaschi P:** see Arbustini E, 310  
**Cremer T:** see Speicher MR, 356  
**Cress AE:** see Knox JD, 167  
**Cutler AH:** see Doukas J, 137, 211  
**Cywiner-Golenzner C:** see Le Panse S, 1526

- Daemen MJAP:** see Willems IEMG, 868
- Dal Canto MC, Gurney ME:** Development of central nervous system pathology in a murine transgenic model of human amyotrophic lateral sclerosis, 1271
- Dalkin BL:** see Knox JD, 167
- Dang TT:** see Qu Z, 1127
- Dano K:** see Pyke C, 782
- Dave A:** see Ittmann M, 287
- Davies P:** see Ksiezak-Reding H, 1496
- Davis TME:** see Turner GDH, 1057
- de Boer WJ, Schuller AGP, Vermey M, van der Kwast TH:** Expression of growth factors and receptors during specific phases in regenerating urothelium after acute injury *in vivo*, 1199
- De La Garza MA:** see Barnes JL, 585
- De La Rosa A:** see Bertheau P, 26
- De Ley M:** see van den Oord JJ, 294
- De Mey JGR:** see Willems IEMG, 868
- De Wolf-Peeters C:** see van den Oord JJ, 294
- Dei Tos AP, Maestro R, Doglioni C, Gasparotto D, Boiocchi M, Laurino L, Fletcher CDM:** Ultraviolet-induced p53 mutations in atypical fibroxanthoma, 11
- Delemarre JFM:** see Wijnands LCD, 895
- Delgado G:** see Chen M, 1509
- Desmoulière A:** see Ehrlich HP, 105
- Dev R:** see O'Brien ER, 883
- DeVries S:** see Isola J, 1301
- Dickson DW:** see Ksiezak-Reding H, 1496
- Dickson DW:** see Liu W, 48
- Diegelmann RF:** see Ehrlich HP, 105
- Diegoli M:** see Arbustini E, 310
- DiGiuseppe JA, Offerhaus GJA, Hruban RH:** K-ras mutations in pancreatic ductal proliferative lesions, 1548
- Dillon P, Belchis D, Tracy T, Cilley R, Hafer L, Krummel T:** Increased expression of intercellular adhesion molecules in biliary atresia, 263
- Dingemans KP:** see Mauad TH, 1237
- DiPaolo JA:** see Chen M, 1509
- DiSaia PJ:** see Liao SY, 598
- Dockter J:** see Campbell IL, 157
- Doglioni C:** see Dei Tos AP, 11
- Donovan MJ, Hempstead B, Huber LJ, Kaplan D, Tsoulfas P, Chao M, Parada L, Schofield D:** Identification of the neurotrophin receptors p75 and trk in a series of Wilms' tumors, 792
- Doran SE:** see Sartin EA, 1168
- Dorn E:** see Hsiao M, 702
- Dotto GP:** see Ramón y Cajal S, 846
- Doukas J, Cutler AH, Boswell CA, Joris I, Majno G:** Reversible endothelial cell relaxation induced by oxygen and glucose deprivation: a model of ischemia *in vitro*, 211
- Doukas J, Cutler AH, Mordes JP:** Polyinosinic polycytidylic acid is a potent activator of endothelial cells, 137
- Doukas J, Mordes JP, Swyer C, Niedzwiecki D, Mason R, Rozing J, Rossini AA, Greiner DL:** Thymic epithelial defects and predisposition to autoimmune disease in BB rats, 1517
- Doussis-Anagnostopoulou IA:** see Kaklamanis L, 505
- Dower SK:** see Groves RW, 1048
- Downing J:** see Ladanyi M, 1296
- Dragan Y:** see Hully JR, 384
- Drobnjak M:** see Latres E, 345
- du Manoir S:** see Speicher MR, 356
- Durmowicz AG, Parks WC, Hyde DM, Mecham RP, Stenmark KR:** Persistence, re-expression, and induction of pulmonary arterial fibronectin, tropoelastin, and type I procollagen mRNA expression in neonatal hypoxic pulmonary hypertension, 1411
- Dvorak HF:** see Brown LF, 610
- Dvorak HF:** see Miller JW, 574
- D'Amore PA:** see Miller JW, 574
- D'Andrea G:** see Sartin EA, 1168
- Eberhard DA, Brown MD, VandenBerg SR:** Alterations of annexin expression in pathological neuronal and glial reactions: immunohistochemical localization of annexins I, II, (p36 and p11 subunits), IV, and VI in the human hippocampus, 640
- Ehrlich HP, Desmoulière A, Diegelmann RF, Cohen IK, Compton CC, Garner WL, Kapanci Y, Gabbiani G:** Morphological and immunochemical differences between keloid and hypertrophic scar, 105
- Eid A:** see Galun E, 1001
- Elder DE:** see Shih I-M, 837
- Elferink RPJO:** see Mauad TH, 1237
- Emmert-Buck MR, Roth MJ, Zhuang Z, Campo E, Rozhin J, Sloane BF, Liotta LA, Stetler-Stevenson WG:** Increased gelatinase A (MMP-2) and cathepsin B activity in invasive tumor regions of human colon cancer samples, 1285
- Emmert-Buck MR:** see Campo E, 301
- Engel WK:** see Sarkozi E, 1280
- Engelhardt B:** see Steffen BJ, 189
- Engleberg C:** see Brieland J, 1537
- Eriksen N:** see Urieli-Shoval S, 650
- Esmore D:** see Salom RN, 876
- Fabry ME:** see Luty GA, 490
- Factor VM, Radaeva SA, Thorgeirsson SS:** Origin and fate of oval cells in Dipin-induced hepatocarcinogenesis in the mouse, 409

- Fan D:** see Singh RK, 365  
**Fan Y:** see Zheng MH, 1095  
**Fantone J:** see Brieland J, 1537  
**Faris RA, McBride A, Yang L, Affigne S, Walker C, Cha C-J:** Isolation, propagation, and characterization of rat liver serosal mesothelial cells, 1432  
**Fasani R:** see Arbustini E, 310  
**Faulkner GT:** see Oulton MR, 941  
**Fausto N:** see Webber EM, 398  
**Fausto N:** Pathology at a crossroads: one more year in the life of the *AJP*, 503  
**Fazakerley J:** see Sunil-Chandra NP, 818  
**Fehsel K:** see Suschek C, 685  
**Fidler IJ:** see Singh RK, 365  
**Filippa DA:** see Ladanyi M, 1296  
**Finerty S:** see Niedobitek G, 969  
**Fiocca R:** see Arbustini E, 310  
**Fletcher CDM:** see Dei Tos AP, 11  
**Fligiel SEG:** see Varani J, 561  
**Foegh ML:** see Leszczynski D, 1265  
**Folkman J:** see Miller JW, 574  
**Frangione B:** see Gallo G, 526  
**Frangione B:** see Wisniewski T, 1030  
**Freeman P:** see Brieland J, 1537  
**Friedman TC:** see Scopa CD, 1159  
**Fuggle SV:** see Chen RH, 741  
**Fujisawa M:** see Hishima T, 268  
**Fukayama M:** see Hishima T, 268  
**Funata N:** see Hishima T, 268  
**Furmanski P:** A pregnant possibility: crossing fetal tolerance with hematopoiesis, 1247  
  
**Gabbiani G:** see Ehrlich HP, 105  
**Gainey TW:** see Sirica AE, 375  
**Galceran M:** see Le Panse S, 1526  
**Gallo G, Wisniewski T, Choi-Miura N-H, Ghiso J, Frangione B:** Potential role of apolipoprotein-E in fibrillogenesis, 526  
**Galun E, Ilan Y, Livni N, Ketzinel M, Nahor O, Pizov G, Nagler A, Eid A, Rivkind A, Laster M, Ron N, Blum HE, Shouval D:** Hepatitis B virus infection associated with hematopoietic tumors, 1001  
**Gambetti P, Perry G:** Alzheimer's disease and prion proteins: a meeting made in muscle, 1261  
**Garcia JH, Liu K-F, Yoshida Y, Chen S, Lian J:** Brain microvessels: factors altering their patency after the occlusion of a middle cerebral artery (Wistar rat), 728  
**Garner WL:** see Ehrlich HP, 105  
**Garvin MR:** see O'Brien ER, 883  
**Gascoyne R:** see Krajewski S, 515  
**Gasparotto D:** see Dei Tos AP, 11  
**Gatter KC:** see Kaklamanis L, 505  
**Gatter KC:** see Turner GDH, 1057  
**Gérard N:** see Corlu A, 715  
**Gerritsen ME:** see Brown Z, 913  
**Gething MJH:** see Zunino SJ, 661  
**Getty RR:** see Morrow DM, 1485  
**Gewirtz AM:** see Morrow DM, 1485  
**Ghazvini S:** see Isola J, 1301  
**Ghiso J:** see Gallo G, 526  
**Giachelli CM:** see Murry CE, 1450  
**Gibbs DF:** see Varani J, 561  
**Gill PS:** see Cai J, 74  
**Glasz J:** see Vollmar B, 1421  
**Godfrey VL, Rouse BT, Wilkinson JE:** Transplantation of T cell-mediated, lymphoreticular disease from the scurfy (sf) mouse, 281  
**Goh MC:** see Pollanen MS, 1140  
**Golabek A:** see Wisniewski T, 1030  
**Golding M:** see Sarraf C, 1114  
**Gonatas NK:** Contributions to the physiology and pathology of the Golgi apparatus, 751  
**Goode PS:** see Pierce GF, 1399  
**Gordon D:** see Zhang K, 114  
**Grabowski GA:** see Sun Y, 1390  
**Graham CH, Rivers J, Kerbel RS, Stankiewicz KS, White WL:** Extent of vascularization as a prognostic indicator in thin (less than 0.76 mm) malignant melanomas, 510  
**Grasso M:** see Arbustini E, 310  
**Greiner DL:** see Doukas J, 1517  
**Griep AE:** see Hully JR, 384  
**Grimes MM:** see Ben-Ezra JM, 1036  
**Groen AK:** see Mauad TH, 1237  
**Groves RW, Sherman L, Mizutani H, Dower SK, Kupper TS:** Detection of interleukin-1 receptors in human epidermis: induction of the type II receptor after organ culture and in psoriasis, 1048  
**Guguen-Guillouzo C:** see Corlu A, 715  
**Gurney ME:** see Dal Canto MC, 1271  
**Gutman M:** see Singh RK, 365  
  
**Haas MJ:** see Hully JR, 384  
**Haas M:** see Hsiao M, 702  
**Hafer L:** see Dillon P, 263  
**Haines DC:** see Ward JM, 959  
**Hair GA:** see Contrino J, 1315  
**Hamilton SR:** see Kim H, 148  
**Han Z, Wyche JH:** Guanosine induces necrosis of cultured aortic endothelial cells, 423  
**Hanahan D:** see Yoshida T, 671  
**Hancock WW, Adams DH, Wyner LR, Sayegh MH, Karnovsky MJ:** CD4<sup>+</sup> mononuclear cells induce cytokine expression, vascular smooth muscle cell proliferation, and arterial occlusion after endothelial injury, 1008



- Hancock WW:** see Salom RN, 876  
**Hanson RH:** see Urieli-Shoval S, 650  
**Harclderode DL:** see Yi ES, 80  
**Harmon RC:** see Rosenblum WI, 33  
**Harrington CR, Louwagie J, Rossau R, Vanmechelen E, Perry RH, Perry EK, Xuereb JH, Roth M, Wischik CM:** Influence of apolipoprotein E genotype on senile dementia of the Alzheimer and Lewy body types: significance for etiological series of Alzheimer's disease, 1472  
**Harris AL:** see Kaklamanis L, 505  
**Harris NL:** see Yang W-I, 86  
**Hart CE:** see Qu Z, 1127  
**Hashimoto S:** see Asabe K, 631  
**Hastings RR:** see Barnes JL, 585  
**Havenith MG:** see Willems IEMG, 868  
**Hayashi Y:** see Hishima T, 268  
**Hedborg F, Holmgren L, Sandstedt B, Ohlsson R:**  
 The dell type-specific IGF2 expression during early human development correlates to the pattern of overgrowth and neoplasia in the Beckwith-Wiedemann syndrome, 802  
**Heitz PU:** see Komminoth P, 922  
**Heitz PU:** see Li W-P, 470  
**Heller P:** see Ittmann M, 287  
**Hempstead B:** see Donovan MJ, 792  
**Hendler FJ:** Questioning *in situ* PCR, 742  
**Herlyn M:** see Shih I-M, 837  
**Herrera GA:** see Sartin EA, 1168  
**Herskowitz A, Mayne AE, Willoughby SB, Kanter K, Ansari AA:** Patterns of myocardial cell adhesion molecule expression in human endomyocardial biopsies after cardiac transplantation: induce ICAM-1 and VCAM-1 related to implantation and rejection, 1082  
**Herzog NK:** see Aronson JF, 228  
**Hill PA, Lan HY, Nikolic-Paterson DJ, Atkins RC:**  
 Pulmonary expression of ICAM-1 and LFA-1 in experimental Goodpasture's syndrome, 220  
**Hinohara T:** see O'Brien ER, 883  
**Hiort O:** see Komminoth P, 922  
**Hishima T, Fukayama M, Fujisawa M, Hayashi Y, Arai K, Funata N, Koike M:** CD5 expression in thymic carcinoma, 268  
**Hitotsumatsu T:** see Iwaki T, 776  
**Hobbs MV:** see Campbell IL, 157  
**Hohlfeld R:** see Spuler S, 766  
**Holmgren L:** see Hedborg F, 802  
**Horie R:** see Ito K, 276  
**Houldsworth J, Chaganti RSK:** Comparative genomic hybridization: an overview, 1253  
**Housley RM:** see Yi ES, 80, 1015  
**Hruban RH:** see DiGiuseppe JA, 1548  
**Hsiao M, Low J, Dorn E, Ku D, Pattengale P, Yeargin J, Haas M:** Gain-of-function mutations of the p53 gene induce lymphohematopoietic metastatic potential and tissue invasiveness, 702  
**Hsu M-Y:** see Shih I-M, 837  
**Huber LJ:** see Donovan MJ, 792  
**Hully JR, Su Y, Lohse JK, Griep AE, Sattler CA, Haas MJ, Dragan Y, Peterson J, Neveu M, Pitot HC:** Transgenic hepatocarcinogenesis in the rat, 384  
**Hurley M:** see Brieland J, 1537  
**Hyde DM:** see Durmowicz AG, 1411  
**Hyytinen E:** see Visakorpi T, 624  
**Ibric L:** see Stins MF, 1228  
**Ihara Y:** see Suzuki N, 452  
**Ilan Y:** see Galun E, 1001  
**Ilyin GP:** see Corlu A, 715  
**Imai K:** see Katsuda S, 1208  
**Inman DR:** see Varani J, 561  
**Ishibashi Y:** see Suzuki N, 452  
**Isola J, DeVries S, Chu L, Ghazvini S, Waldman F:**  
 Analysis of changes in DNA sequence copy number by comparative genomic hybridization in archival paraffin-embedded tumor samples, 1301  
**Isola J:** see Visakorpi T, 624  
**Isozaki K, Tsujimura T, Nomura S, Morii E, Koshimizu U, Nishimune Y, Kitamura Y:** Cell type-specific deficiency of *c-kit* gene expression in mutant mice of *ml/ml* genotype, 827  
**Ito K, Watanabe T, Horie R, Shiota M, Kawamura S, Mori S:** High expression of the CD30 molecule in human decidual cells, 276  
**Ittmann M, Wiczorek R, Heller P, Dave A, Provet J, Krolewski J:** Alterations in the p53 and MDM-2 genes are infrequent in clinically localized, stage B prostate adenocarcinomas, 287  
**Iwaki T, Miyazono M, Hitotsumatsu T, Tateishi J:**  
 An immunohistochemical study of tissue transglutaminase in gliomas with reference to their cell dying processes, 776  
**Iwatsubo T:** see Suzuki N, 452  
**Izumi S:** see Chui D-H, 771  
**Jacks T:** see Riccardi VM, 994  
**James CD:** see Reifenberger J, 1175  
**Janigan DT:** see Oulton MR, 941  
**Jégou B:** see Corlu A, 715  
**Jen J:** see Kim H, 148  
**Jerrells TR:** see Aronson JF, 228  
**Jessup JM:** Cathepsin B and other proteases in human colorectal carcinoma, 253  
**Jimenez W:** see Takata S, 541  
**Joensuu H, Pykkänen L, Toikkanen S:** *Bcl-2*



- protein expression and long-term survival in breast cancer, 1191
- Johnson K:** see Varani J, 561
- Jones EL:** see Niedobitek G, 969
- Jones M:** see Turner GDH, 1057
- Joris I:** see Doukas J, 211
- Jung B:** see Cai J, 74
- Kaklamanis L, Townsend A, Doussis-Anagnostopoulou IA, Mortensen N, Harris AL, Gatter KC:** Loss of major histocompatibility complex-encoded transporter associated with antigen presentation (TAP) in colorectal cancer, 505
- Kallioniemi A:** see Visakorpi T, 624
- Kallioniemi O-P:** see Visakorpi T, 624
- Kallunki P:** see Pyke C, 782
- Kaminsky DB:** see Bacus SS, 1337
- Kamiyama R:** see Kitagawa M, 338
- Kanter K:** see Herskowitz A, 1082
- Kapanci Y:** see Ehrlich HP, 105
- Kaplan D:** see Donovan MJ, 792
- Kapur S:** see Tabibzadeh SS, 930
- Karnovsky MJ:** see Hancock WW, 1008
- Karpeh M:** see Latres E, 345
- Katusuda S, Okada Yasunori, Okada Yoshikatsu, Imai K, Nakanishi I:** Matrix metalloproteinase-9 (92-kd gelatinase/type IV collagenase equals gelatinase B) can degrade arterial elastin, 1208
- Katyal SL:** see Ledda-Columbano GM, 951
- Kawamura S:** see Ito K, 276
- Kawasaki N:** see Kondo E, 330
- Kayano K:** see Ledda-Columbano GM, 951
- Kell DL:** see Bhargava V, 535
- Kerbel RS:** see Graham CH, 510
- Ketzinel M:** see Galun E, 1001
- Kim H, Jen J, Vogelstein B, Hamilton SR:** Clinical and pathological characteristics of sporadic colorectal carcinomas with DNA replication errors in microsatellite sequences, 148
- Kim KS:** see Stins MF, 1228
- Kim S:** see Yi ES, 1015
- Kingma D:** see Chen M, 1509
- Kirchner T:** see Spuler S, 766
- Kitada C:** see Suzuki N, 452
- Kitagawa M, Yoshida S, Kuwata T, Tanizawa T, Kamiyama R:** p53 expression in myeloid cells of myelodysplastic syndromes, 338
- Kitamura Y:** see Isozaki K, 827
- Kimstra DS, Longnecker DS:** K-ras mutations in pancreatic ductal proliferative lesions, 1547
- Kluge JD:** see Lackner AA, 428
- Kneip B:** see Corlu A, 715
- Knox JD, Cress AE, Clark V, Manriquez L, Affinito K-S, Dalkin BL, Nagle RB:** Differential expression of extracellular matrix molecules and  $\alpha_6$ -integrins in the normal and neoplastic prostate, 167
- Koike M:** see Hishima T, 268
- Kolb-Bachofen V:** see Suschek C, 685
- Komminoth P, Kunz E, Hiort O, Schröder S, Matias-Guiu X, Christiansen G, Roth J, Heitz PU:** Detection of *RET* proto-oncogene point mutations in paraffin-embedded pheochromocytoma specimens by nonradioactive single-strand conformation polymorphism analysis and direct sequencing, 922
- Komminoth P, Long AA:** Questioning *in situ* PCR, 742
- Kondo E, Yoshino T, Yamadori I, Matsuo Y, Kawasaki N, Minowada J, Akagi T:** Expression of Bcl-2 protein and fas antigen in non-Hodgkin's lymphomas, 330
- Kong QF:** see Tabibzadeh SS, 930
- Kornstein MJ:** see Ben-Ezra JM, 1036
- Korsmeyer SJ:** see Novack DV, 61
- Koshimizu U:** see Isozaki K, 825
- Kovacs A:** see Speicher MR, 356
- Kovacs G:** see Speicher MR, 356
- Koya G:** see Chui D-H, 771
- Kradin R:** see Marathias K, 1219
- Krajewska M:** see Krajewski S, 515, 1323
- Krajewski S, Bodrug S, Gascoyne R, Berean K, Krajewska M, Reed JC:** Immunohistochemical analysis of *Mcl-1* and *Bcl-2* proteins in normal and neoplastic lymph nodes, 515
- Krajewski S, Krajewska M, Shabaik A, Miyashita T, Wang HG, Reed JC:** Immunohistochemical determination of *in vivo* distribution of Bax, a dominant inhibitor of *Bcl-2*, 1323
- Kreutzer DL:** see Contrino J, 1315
- Krolewski J:** see Ittmann M, 287
- Kröncke K-D:** see Suschek C, 685
- Krummel T:** see Dillon P, 263
- Krystal G:** see Ben-Ezra JM, 1036
- Ksiazek-Reding H, Morgan K, Mattiace LA, Davies P, Liu W-K, Yen S-H, Weidenheim K, Dickson DW:** Ultrastructure and biochemical composition of paired helical filaments in corticobasal degeneration, 1496
- Ku D:** see Hsiao M, 702
- Kubo Y:** see Ledda-Columbano GM, 951
- Kunkel R:** see Brieland J, 1537
- Kunkel SL:** see Brown Z, 913
- Kunkel SL:** see Chensue SW, 1105
- Kunkel SL:** see Smith DR, 18
- Kunz E:** see Komminoth P, 922
- Kuo M-C:** see Chensue SW, 1105
- Kupper TS:** see Groves RW, 1048
- Kuratsu J-I:** see Yamashiro S, 856

- Kutty RK:** see Smith MA, 42
- Kuwata T:** see Kitagawa M, 338
- Lackner AA, Vogel P, Ramos RA, Kluge JD, Marthas M:** Early events in tissues during infection with pathogenic (SVmac239) and nonpathogenic (SIVmac1A11) molecular clones of simian immunodeficiency virus, 428
- Ladanyi M, Cavaichire G, Morris SW, Downing J, Filippa DA:** Reverse transcriptase polymerase chain reaction for the Ki-1 anaplastic large cell lymphoma-associated t(2;5) translocation in Hodgkin's disease, 1296
- Lalani E-N:** see Sarraf C, 1114
- Lan HY:** see Hill PA, 220
- Lane EB:** see Su L, 1349
- Laster M:** see Galun E, 1001
- Latres E, Drobnjak M, Pollack D, Oliva MR, Ramos M, Karpeh M, Woodruff JM, Cordon-Cardo C:** Chromosome 17 abnormalities and TP53 mutations in adult soft tissue sarcomas, 345
- Lau AT-T:** see Zheng MH, 1095
- Laurino L:** see Dei Tos AP, 11
- Law RE:** see Cai J, 74
- Le Panse S, Ayani E, Mulliez N, Chatelet F, Cywiner-Golenzer C, Galceran M, Citadelle D, Roux CH, Ronco P, Verroust P:** Antibodies to the 280-kd coated pit protein, target of teratogenic antibodies, produce alterations in the traffic of internalized proteins, 1526
- Ledda-Columbano GM, Columbano A, Cannas A, Simbula G, Okita K, Kayano K, Kubo Y, Katyal SL, Shinozuka H:** Dexamethasone inhibits induction of liver tumor necrosis factor- $\alpha$  mRNA and liver growth induced by lead nitrate and ethylene dibromide, 951
- Lee H:** see Yi ES, 1015
- Lee SC:** see Liu W, 48
- Leiderer R:** see Vollmar B, 1421
- Leszczynski D, Zhao Y, Luokkamäki M, Foegh ML:** Apoptosis of vascular smooth muscle cells: protein kinase C and oncoprotein Bcl-2 are involved in regulation of apoptosis in non-transformed rat vascular smooth muscle cells, 1265
- LeVine SM, Wetzel DL:** *In situ* chemical analyses from frozen tissue sections by Fourier transform infrared microspectroscopy: examination of white matter exposed to extravasated blood in the rat brain, 1041
- Li W-P, Zuber C, Heitz PU, Roth J:** Cytochemical staining for  $\beta$ 1,6 branching of asparagine-linked oligosaccharides in variants of metastatic human colon carcinoma cells, 470
- Li Z-H:** see Zheng J, 1444
- Lian J:** see Garcia JH, 728
- Liao SY, Brewer C, Závada J, Pastorek J, Pastorekova S, Manetta A, Berman ML, DiSaia PJ, Stanbridge EJ:** Identification of the MN antigen as a diagnostic biomarker of cervical intraepithelial squamous and glandular neoplasia and cervical carcinomas, 598
- Lincoln P:** see Chensue SW, 1105
- Liotta LA:** see Emmert-Buck MR, 1285
- Liu K-F:** see Garcia JH, 728
- Liu L:** see Reifemberger J, 1175
- Liu W, Brosnan CF, Dickson DW, Lee SC:** Macrophage colony-stimulating factor mediates astrocyte-induced microglial ramification in human fetal central nervous system culture, 48
- Liu W-K:** see Ksiazek-Rieding H, 1496
- Livni N:** see Galun E, 1001
- Lohse JK:** see Hully JR, 384
- Long AA:** see Komminoth P, 742
- Longnecker DS:** see Klimstra DS, 1547
- Longnecker DS:** see Schaeffer BK, 696
- Looareesuwan S:** see Turner GDH, 1057
- Louwagie J:** see Harrington CR, 1472
- Low J:** see Hsiao M, 702
- Lübke U, Six J, Villanova M, Boons J, Vandermeeren M, Ceuterick C, Cras P, Martin J-J:** Microtubule-associated protein tau epitopes are present in fiber lesions in diverse muscle disorders, 175
- Luckett P:** see Stins MF, 1228
- Lund LR:** see Pyke C, 782
- Luokkamäki M:** see Leszczynski D, 1265
- Luscinskas FW:** see Pizcueta P, 461
- Lusso P:** see Chen M, 1509
- Lutty GA, McLeod DS, Pachnis A, Costantini F, Fabry ME, Nagel RL:** Retinal and choroidal neovascularization in a transgenic mouse model of sickle cell disease, 490
- MacDonald JMR:** see Oulton MR, 941
- Maestro R:** see Dei Tos AP, 11
- Maguire JA:** see Salom RN, 876
- Majno G:** see Doukas J, 211
- Manetta A:** see Liao SY, 598
- Mann RB:** see Ambinder RF, 239
- Manriquez L:** see Knox JD, 167
- Manseau EJ:** see Brown LF, 610
- Marathias K, Pinto C, Rodberg G, Pfeffer F, Wong J, Kradin R:** The T cell antigen receptor CD3:CD4 molecular complex is diminished on the surface of pulmonary lymphocytes, 1219
- Marchetti E:** see Ramón y Cajal S, 846
- Marcus JN:** see Bacus SS, 1337
- Margaria E:** see Pich A, 481

- Mark HFL:** see Miranda RN, 1309
- Markiewicz P:** see Pollanen MS, 1140
- Marthas M:** see Lackner AA, 428
- Martin J-J:** see Lübke U, 175
- Martin LJ, Pardo CA, Cork LC, Price DL:** Synaptic pathology and glial responses to neuronal injury precede the formation of senile plaques and amyloid deposits in the aging cerebral cortex, 1358
- Martin WJ, Zeng LC, Ahmed K, Roy M:** Cytomegalovirus-related sequence in an atypical cytopathic virus repeatedly isolated from a patient with chronic fatigue syndrome, 440
- Martinelli L:** see Arbustini E, 310
- Marx A:** see Spuler S, 766
- Mason R:** see Doukas J, 1517
- Masood R:** see Cai J, 74
- Mastorakos G:** see Scopa CD, 1159
- Matias-Guiu X:** see Komminoth P, 922
- Matsubara M:** see Takata S, 541
- Matsuo Y:** see Kondo E, 330
- Mattiace LA:** see Ksiezak-Reding H, 1496
- Mauad TH, van Nieuwkerk CMJ, Dingemans KP, Smit JJM, Schinkel AH, Notenboom RGE, van den Bergh Weerman MA, Verkruisen RP, Groen AK, Elferink RPJO, van der Valk MA, Borst P, Offerhaus GJA:** Mice with homozygous disruption of the *mdr2* P-glycoprotein gene: a novel animal model for studies of nonsuppurative inflammatory cholangitis and hepatocarcinogenesis, 1237
- Mayne AE:** see Herskowitz A, 1082
- McBride A:** see Faris RA, 1432
- McLeod DS:** see Luty GA, 490
- McNutt NS:** see Reed JA, 97
- Mecham RP:** see Durmowicz AG, 1411
- Medeiros LJ:** see Miranda RN, 1309
- Meek RL:** see Urieli-Shoval S, 650
- Meijer CJLM:** see Wijnaendts LCD, 895
- Melachrinou M:** see Scopa CD, 1159
- Menger MD:** see Vollmar B, 1421
- Merino MJ:** see Bertheau P, 26
- Merino MJ:** see Scopa CD, 1159
- Merlino G:** see Webber EM, 398
- Miller JW, Adamis AP, Shima DT, D'Amore PA, Moulton RS, O'Reilly MS, Folkman J, Dvorak HF, Brown LF, Berse B, Yeo T-K, Yeo K-T:** Vascular endothelial growth factor/vascular permeability factor is temporally and spatially correlated with ocular angiogenesis in a primate model, 574
- Minowada J:** see Kondo E, 330
- Miquel R:** see Campo E, 301
- Miranda RN, Mark HFL, Medeiros LJ:** Fluorescent *in situ* hybridization in routinely processed bone marrow aspirate clot and core biopsy sections, 1309
- Missero C:** see Ramón y Cajal S, 846
- Miyashita T:** see Krajewski S, 1323
- Miyazono M:** see Iwaki T, 776
- Mizutani H:** see Groves RW, 1048
- Minaric-Rascan I, Asa SL, Siminovitch KA:** Increased expression of the stefin A cysteine proteinase inhibitor occurs in the myelomonocytic cell-infiltrated tissues of autoimmune motheaten mice, 902
- Monger LE Jr, Nagabhushan M, Pretlow TG, Pretlow TP:** A novel approach to the characterization of whole prostate pathology in glycol methacrylate, 54
- Morbini P:** see Arbustini E, 310
- Mordes JP:** see Doukas J, 137
- Mordes JP:** see Doukas J, 1517
- Morgan A:** see Niedobitek G, 969
- Morgan D:** see Morrow DM, 1485
- Morgan K:** see Ksiezak-Reding H, 1496
- Morgan PR:** see Su L, 1349
- Mori S:** see Ito K, 276
- Mori E:** see Isozaki K, 825
- Moriya N:** see Teraki Y, 550
- Morris B:** see Pierce GF, 1399
- Morris CF:** see Yi ES, 80
- Morris SW:** see Ladanyi M, 1296
- Morrison H:** see Turner GDH, 1057
- Morrow DM, Xiong N, Getty RR, Ratajczak MZ, Morgan D, Seppala M, Riittinen L, Gewirtz AM, Tykocinski ML:** Hematopoietic placental protein 14: an immunosuppressive factor in cells of the megakaryocytic lineage, 1485
- Mortensen N:** see Kaklamanis L, 505
- Mosberger I:** see Simonitsch I, 1148
- Motokura T:** see Yang W-I, 86
- Moulton RS:** see Miller JW, 574
- Mueller-Schüpbach R:** see Allmann-Iselin I, 1382
- Mulliez N:** see Le Panse S, 1526
- Mumaw VR:** see Sirica AE, 375
- Muñoz J:** see Campo E, 301
- Murata S:** see Rosenblum WI, 33
- Murry CE, Giachelli CM, Schwartz SM, Vracko R:** Macrophages express osteopontin during repair of myocardial necrosis, 1450
- Mustoe TA:** see Pierce GF, 1399
- Nagabhushan M:** see Monger LE Jr, 54
- Nagachinta B:** see Turner GDH, 1057
- Nagel RL:** see Luty GA, 490
- Nagle RB:** see Knox JD, 167
- Nagler A:** see Galun E, 1001
- Nahor O:** see Galun E, 1001
- Nakanishi I:** see Katsuda S, 1208
- Nash AA:** see Sunil-Chandra NP, 818

- Nelson GH:** see Rosenblum WI, 33  
**Neveu M:** see Hully JR, 384  
**Newbold CI:** see Turner GDH, 1057  
**Nicosia RF, Nicosia SV, Smith M:** Vascular endothelial growth factor, platelet-derived growth factor, and insulin-like growth factor-1 promote rat aortic angiogenesis *in vitro*, 1023  
**Nicosia SV:** see Nicosia RF, 1023  
**Niedobitek G, Agathangelou A, Finerty S, Tierney R, Watkins P, Jones EL, Morgan A, Young LS, Rooney N:** Latent Epstein-Barr virus infection in cottontop tamarins: a possible model for Epstein-Barr virus infection in humans, 969  
**Niedzwiecki D:** see Doukas J, 1517  
**Nikolic-Paterson DJ:** see Hill PA, 220  
**Nishi T:** see Yamashiro S, 856  
**Nishimune Y:** see Isozaki K, 827  
**Nomura S:** see Isozaki K, 827  
**Notenboom RGE:** see Mauad TH, 1237  
**Novack DV, Korsmeyer SJ:** *Bcl-2* protein expression during murine development, 61  
**Nuovo GJ:** Questioning *in situ* PCR, 741
- O'Brien ER, Garvin MR, Dev R, Stewart DK, Hinohara T, Simpson JB, Schwartz SM:** Angiogenesis in human coronary atherosclerotic plaques, 883  
**Odaka A:** see Suzuki N, 452  
**Offerhaus GJA:** see DiGiuseppe JA, 1548  
**Offerhaus GJA:** see Mauad TH, 1237  
**Ogata J:** see Chui D-H, 771  
**Ohlsson R:** see Hedborg F, 802  
**Oho S, Rabinovitch M:** Post-cardiac transplant arteriopathy in piglets is associated with fragmentation of elastin and increased activity of a serine elastase, 202  
**Okada Yasunori:** see Katsuda S, 1208  
**Okada Yoshikatsu:** see Katsuda S, 1208  
**Okita K:** see Ledda-Columbano GM, 951  
**Oldstone MBA:** see Campbell IL, 157  
**Oliva MR:** see Latres E, 345  
**Orringer MB:** see Smith DR, 18  
**Oulton MR, Janigan DT, MacDonald JMR, Faulkner GT, Scott JE:** Effects of smoke inhalation on alveolar surfactant subtypes in mice, 941  
**O'Reilly MS:** see Miller JW, 574
- Pachnis A:** see Luty GA, 490  
**Page DL:** see Bacus SS, 1337  
**Palacin A:** see Campo E, 301  
**Palmieri MB:** see Vitolo D, 322  
**Papadimitriou JM:** see Zheng MH, 1095  
**Papadopoulos-Sergiou A:** see Brown LF, 610
- Papayianni A:** see Takata S, 541  
**Parada L:** see Donovan MJ, 792  
**Pardo CA:** see Martin LJ, 1358  
**Parks WC:** see Durmowicz AG, 1411  
**Pastorek J:** see Liao SY, 598  
**Pastorekova S:** see Liao SY, 598  
**Pattengale P:** see Hsiao M, 702  
**Perruzzi CA:** see Brown LF, 610  
**Perry EK:** see Harrington CR, 1472  
**Perry G:** see Gambetti P, 1261  
**Perry G:** see Smith MA, 42  
**Perry RH:** see Harrington CR, 1472  
**Petersen RB:** see Smith MA, 42  
**Peterson J:** see Hully JR, 384  
**Phan SH:** see Zhang K, 114  
**Pich A, Margaria E, Chiusa L:** Proliferative activity is a significant prognostic factor in male breast carcinoma, 481  
**Picou M:** see Qu Z, 1127  
**Pierce GF, Tarpley JE, Allman RM, Goode PS, Serdar CM, Morris B, Mustoe TA, Vande Berg J:** Tissue repair processes in healing chronic pressure ulcers treated with recombinant platelet-derived growth factor BB, 1399  
**Pierce GF:** see Yi ES, 80, 1015  
**Pinto C:** see Marathias K, 1219  
**Pitot HC:** see Hully JR, 384  
**Pizzueta P, Luscinskas FW:** Monoclonal antibody blockade of L-selectin inhibits mononuclear leukocyte recruitment to inflammatory sites *in vivo*, 461  
**Pizov G:** see Galun E, 1001  
**Planck SR:** see Qu Z, 1127  
**Pollack D:** see Latres E, 345  
**Pollanen MS, Markiewicz P, Weyer L, Goh MC, Bergeron C:** Mallory body filaments become insoluble after normal assembly into intermediate filaments, 1140  
**Poppema S, Visser L:** Absence of HLA class I expression by Reed-Sternberg cells, 37  
**Post S:** see Vollmar B, 1421  
**Poulsom R:** see Sarraf C, 1114  
**Prasadarao NV:** see Stins MF, 1228  
**Pfeffer F:** see Marathias K, 1219  
**Pretlow TG:** see Monger LE Jr, 54  
**Pretlow TP:** see Monger LE Jr, 54  
**Price DL:** see Martin LJ, 1358  
**Prieto VG:** see Reed JA, 97  
**Pronovost PH:** see Takata S, 541  
**Provet J:** see Ittmann M, 287  
**Pukritayakamee S:** see Turner GDH, 1057  
**Pyke C, Rømer J, Kallunki P, Lund LR, Ralfkiær E, Danø K, Tryggvason K:** The  $\gamma 2$  chain of kalinin/laminin 5 is preferentially expressed in invading malignant cells in human cancers, 782



**Pylkkänen L:** see Joensuu H, 1191

**Qu Z, Picou M, Dang TT, Angell E, Planck SR, Hart CE, Rosenbaum JT:** Immunolocalization of basic fibroblast growth factor and platelet-derived growth factor-A during adjuvant arthritis in the Lewis rat, 1127

**Rabinovitch M:** see Oho S, 202

**Radaeva SA:** see Factor VM, 409

**Radaskiewicz T:** see Simonitsch I, 1148

**Radka SF:** see Cai J, 74

**Raines EW:** see Skinner MP, 1070

**Ralfkiaer E:** see Pyke C, 782

**Ramón y Cajal S, Missero C, Marchetti E, Dotto GP:** Dermal fibroblasts tumor suppression of *ras*-transformed keratinocytes is associated with induction of squamous cell differentiation, 846

**Ramos M:** see Latres E, 345

**Ramos RA:** see Lackner AA, 428

**Ranken R:** see Rosenblum WI, 33

**Rao MS:** see Boschman CR, 1291

**Ratajczak MZ:** see Morrow DM, 1485

**Reddy JK:** see Boschman CR, 1291

**Reed JA, McNutt NS, Prieto VG, Albino AP:** Expression of transforming growth factor- $\beta$ 2 in malignant melanoma correlates with the depth of tumor invasion: implications for tumor progression, 97

**Reed JC:** see Krajewski S, 515, 1323

**Rees AJ:** see Tam FWK, 126

**Reifenberger G:** see Reifenberger J, 1175

**Reifenberger J, Reifenberger G, Liu L, James CD, Wechsler W, Collins VP:** Molecular genetic analysis of oligodendroglial tumors shows preferential allelic deletions on 19q and 1p, 1175

**Rekhter MD:** see Zhang K, 114

**Rendina E:** see Vitolo D, 322

**Riccardi VM, Womack JE, Jacks T:** Neurofibromatosis and related tumors: natural occurrence and animal models, 994

**Richey PL:** see Smith MA, 42

**Rickles FR:** see Contrino J, 1315

**Riddell MG:** see Sartin EA, 1168

**Ried T:** see Speicher MR, 356

**Riittinen L:** see Morrow DM, 1485

**Rissel M:** see Corlu A, 715

**Rivers J:** see Graham CH, 510

**Rivkind A:** see Galun E, 1001

**Robertson T:** see Zheng MH, 1095

**Rodberg G:** see Marathias K, 1219

**Ron N:** see Galun E, 1001

**Ronco P:** see Le Panse S, 1526

**Rooney N:** see Niedobitek G, 969

**Rosenbaum JT:** see Qu Z, 1127

**Rosenblum WI, Murata S, Nelson GH, Werner PK, Ranken R, Harmon RC:** Anti-CD31 delays platelet adhesion/aggregation at sites of endothelial injury in mouse cerebral arterioles, 33

**Ross R:** see Skinner MP, 1070

**Rossau R:** see Harrington CR, 1472

**Rossini AA:** see Doukas J, 1517

**Roth J:** see Komminoth P, 922

**Roth J:** see Li W-P, 470

**Roth MJ:** see Emmert-Buck MR, 1285

**Roth M:** see Harrington CR, 1472

**Rouse BT:** see Godfrey VL, 281

**Roux CH:** see Le Panse S, 1526

**Roy M:** see Martin WJ, 440

**Rozhin J:** see Emmert-Buck MR, 1285

**Rozing J:** see Doukas J, 1517

**Ruco LP:** see Vitolo D, 322

**Ruth J:** see Chensue SW, 1105

**Rømer J:** see Pyke C, 782

**Salom RN, Maguire JA, Esmore D, Hancock WW:** Analysis of proliferating cell nuclear antigen expression aids histological diagnosis and is predictive of progression of human cardiac allograft rejection, 876

**Sambrook JF:** see Zunino SJ, 661

**Samloff IM:** see Arbustini E, 310

**Sandstedt B:** see Hedborg F, 802

**Sarkozi E, Askanas V, Engel WK:** Abnormal accumulation of prion protein mRNA in muscle fibers of patients with sporadic inclusion-body myositis and hereditary inclusion-body myopathy, 1280

**Sarraf C, Lalani E-N, Golding M, Anilkumar TV, Poulson R, Alison M:** Cell behavior in the acetylaminofluorene-treated regenerating rat liver: light and electron microscopic observations, 1114

**Sartin EA, Doran SE, Riddell MG, Herrera GA, Tennyson GS, D'Andrea G, Whitley RD, Collins FS:** Characterization of naturally occurring cutaneous neurofibromatosis in Holstein cattle: a disorder resembling neurofibromatosis type 1 in humans, 1168

**Sattler CA:** see Hully JR, 384

**Sayegh MH:** see Hancock WW, 1008

**Schaeffer BK, Terhune PG, Longnecker DS:** Pancreatic carcinomas of acinar and mixed acinar/ductal phenotypes in *Ela-1-myc* transgenic mice do not contain *c-K-ras* mutations, 696

**Schinkel AH:** see Mauad TH, 1237

**Schmeizl MA:** see Contrino J, 1315

**Schoell B:** see Speicher MR, 356

**Schofield D:** see Donovan MJ, 792

- Schröck E:** see Speicher MR, 356  
**Schröder S:** see Komminoth P, 922  
**Schuller AGP:** see de Boer WJ, 1199  
**Schwartz SM:** see Murry CE, 1450  
**Schwartz SM:** see O'Brien ER, 883  
**Scopa CD, Mastorakos G, Friedman TC, Melachrinou M, Merino MJ, Chrousos GP:** Presence of immunoreactive corticotropin releasing hormone in thyroid lesions, 1159  
**Scott JE:** see Oulton MR, 941  
**Senger DR:** see Brown LF, 610  
**Seppala M:** see Morrow DM, 1485  
**Serdar CM:** see Pierce GF, 1399  
**Shabai A:** see Krajewski S, 1323  
**Sherman L:** see Groves RW, 1048  
**Shibata D:** see Tsao J-I, 531  
**Shibata D:** see Zheng J, 1444  
**Shih I-M, Elder DE, Hsu M-Y, Herlyn M:** Regulation of Mel-CAM/MUC 18 expression on melanocytes of different stages of tumor progression by normal keratinocytes, 837  
**Shima DT:** see Miller JW, 574  
**Shinozuka H:** see Ledda-Columbano GM, 951  
**Shiohara T:** see Teraki Y, 550  
**Shiota M:** see Ito K, 276  
**Shollenberger SB:** see Varani J, 561  
**Shouval D:** see Galun E, 1001  
**Shu Q:** see Zheng J, 1444  
**Simbula G:** see Ledda-Columbano GM, 951  
**Siminovich KA:** see Milnic-Rascan I, 902  
**Simonitsch I, Volc-Platzer B, Mosberger I, Radaszkiewicz T:** Expression of monoclonal antibody HML-1-defined  $\alpha^E\beta 7$  integrin in cutaneous T cell lymphoma, 1148  
**Simons LF:** see Zunino SJ, 661  
**Simpson JB:** see O'Brien ER, 883  
**Singh RK, Bucana CD, Gutman M, Fan D, Wilson MR, Fidler IJ:** Organ site-dependent expression of basic fibroblast growth factor in human renal cell carcinoma cells, 365  
**Sirica AE, Gainey TW, Mumaw VR:** Ductular hepatocytes: evidence for a bile ductular cell origin in Furan-treated rats, 375  
**Sitrin RG:** see Varani J, 561  
**Six J:** see Lübke U, 175  
**Skinner MP, Raines EW, Ross R:** Dynamic expression of  $\alpha 1\beta 1$  and  $\alpha 2\beta 1$  integrin receptors by human vascular smooth muscle cells:  $\alpha 1\beta 1$  integrin is required for chemotaxis across type I collagen-coated membranes, 1070  
**Sloane BF:** see Campo E, 301  
**Sloane BF:** see Emmert-Buck MR, 1285  
**Smit JJM:** see Mauad TH, 1237  
**Smith DR, Kunkel SL, Burdick MD, Wilke CA, Orringer MB, Whyte RI, Strieter RM:** Production of interleukin-10 by human bronchogenic carcinoma, 18  
**Smith J:** see Tam FWK, 126  
**Smith MA, Kuttly RK, Richey PL, Yan S-D, Stern D, Chader GJ, Wiggert B, Petersen RB, Perry G:** Heme oxygenase-1 is associated with neurofibrillary pathology of Alzheimer's disease, 42  
**Smith M:** see Nicosia RF, 1023  
**Smyrk TC:** Colon cancer connections: cancer syndrome meets molecular biology meets histopathology, 1  
**Solcia E:** see Arbustini E, 310  
**Sommer A:** see Suschek C, 685  
**Speicher MR, Schoell B, du Manoir S, Schröck E, Ried T, Cremer T, Störkel S, Kovacs A, Kovacs G:** Specific loss of chromosomes 1, 2, 6, 10, 13, 17, and 21 in chromophobe renal cell carcinomas revealed by comparative genomic hybridization, 356  
**Spuler S, Marx A, Kirchner T, Hohlfeld R, Wekerle H:** Myogenesis in thymic transplants in the severe combined immunodeficient mouse model of myasthenia gravis, 766  
**Stanbridge EJ:** see Liao SY, 598  
**Stankiewicz KS:** see Graham CH, 510  
**Starnes C:** see Yi ES, 1015  
**Steckholzer U:** see Allmann-Iselin I, 1382  
**Steeg PS:** see Bertheau P, 26  
**Steffen BJ, Butcher EC, Engelhardt B:** Evidence for involvement of ICAM-1 and VCAM-1 in lymphocyte interaction with endothelium in experimental autoimmune encephalomyelitis in the central nervous system in the SJL/J mouse, 189  
**Stenmark KR:** see Durmowicz AG, 1411  
**Stern D:** see Smith MA, 42  
**Stetler-Stevenson WG:** see Emmert-Buck MR, 1285  
**Stewart DK:** see O'Brien ER, 883  
**Stins MF, Prasadarao NV, Ibric L, Wass CA, Luckett P, Kim KS:** Binding characteristics of S fimbriated *Escherichia coli* to isolated brain microvascular endothelial cells, 1228  
**Störkel S:** see Speicher MR, 356  
**Strieter RM:** see Brown Z, 913  
**Strieter RM:** see Smith DR, 18  
**Stryker S:** see Boschman CR, 1291  
**St. Pierre BA, Tidball JG:** Macrophage activation and muscle remodeling at myotendinous junctions after modifications in muscle loading, 1463  
**Su L, Morgan PR, Lane EB:** Protein and mRNA expression of simple epithelial keratins in normal, dysplastic, and malignant oral epithelia, 1349  
**Su Y:** see Hully JR, 384  
**Sueishi K:** see Asabe K, 631  
**Suita S:** see Asabe K, 631



- Sun Y, Witte DP, Grabowski GA:** Developmental and tissue-specific expression of prosaposin mRNA in murine tissues, 1390
- Sunil-Chandra NP, Arno J, Fazakerley J, Nash AA:** Lymphoproliferative disease in mice infected with murine gammaherpesvirus 68, 818
- Suschek C, Fehsel K, Kröncke K-D, Sommer A, Kolb-Bachofen V:** Primary cultures of rat islet capillary endothelial cells: constitutive and cytokine-inducible macrophagelike nitric oxide synthases are expressed and activities regulated by glucose concentration, 685
- Suzuki N, Iwatsubo T, Odaka A, Ishibashi Y, Kitada C, Ihara Y:** High tissue content of soluble  $\beta$ 1-40 is linked to cerebral amyloid angiopathy, 452
- Swymer C:** see Doukas J, 1517
- Tabibzadeh SS, Kong QF, Kapur S:** Passive acquisition of leukocyte proteins is associated with changes in phosphorylation of cellular proteins and cell-cell adhesion properties, 930
- Tabira T:** see Chui D-H, 771
- Takahashi K:** see Yamashiro S, 856
- Takata S, Papayianni A, Matsubara M, Jimenez W, Pronovost PH, Brady HR:** 15-Hydroxyeicosatetraenoic acid inhibits neutrophil migration across cytokine-activated endothelium, 541
- Takeya M:** see Yamashiro S, 856
- Tam FWK, Smith J, Cashman SJ, Wang Y, Thompson EM, Rees AJ:** Glomerular expression of interleukin-1 receptor antagonist and interleukin-1 $\beta$  genes in antibody-mediated glomerulonephritis, 126
- Tanizawa T:** see Kitagawa M, 338
- Tarpley JE:** see Pierce GF, 1399
- Tarpley JE:** see Yi ES, 1015
- Tateishi J:** see Iwaki T, 776
- Tennyson GS:** see Sartin EA, 1168
- Teraki Y, Moriya N, Shiohara T:** Drug-induced expression of intercellular adhesion molecule-1 on lesional keratinocytes in fixed drug eruption, 550
- Terhune PG:** see Schaeffer BK, 696
- Thompson EM:** see Tam FWK, 126
- Thorgeirsson SS:** see Factor VM, 409
- Tidball JG:** see St. Pierre BA, 1463
- Tierney R:** see Niedobitek G, 969
- Tognazzi K:** see Brown LF, 610
- Toikkanen S:** see Joensuu H, 1191
- Toki N:** see Asabe K, 631
- Townsend A:** see Kaklamanis L, 505
- Tracy T:** see Dillon P, 263
- Tryggvason K:** see Pyke C, 782
- Tsao J-I, Shibata D:** Further evidence that one of the earliest alterations in colorectal carcinogenesis involves APC, 531
- Tsao J-I:** see Zheng J, 1444
- Tsoufas P:** see Donovan MJ, 792
- Tsujimura T:** see Isozaki K, 827
- Turner GDH, Morrison H, Jones M, Davis TME, Looareesuwan S, Buley ID, Gatter KC, Newbold CI, Pukritayakamee S, Nagachinta B, White NJ, Berendt AR:** An immunohistochemical study of the pathology of fatal malaria: evidence for widespread endothelial activation and a potential role for intercellular adhesion molecule-1 in cerebral sequestration, 1057
- Tykocinski ML:** see Morrow DM, 1485
- Ulich TR:** see Yi ES, 80, 1015
- Urieli-Shoval S, Meek RL, Hanson RH, Eriksen N, Benditt EP:** Human serum amyloid A genes are expressed in monocyte/macrophage cell lines, 650
- Ushio Y:** see Yamashiro S, 856
- van de Rijn M:** see Bhargava V, 535
- van den Bergh Weerman MA:** see Mauad TH, 1237
- van den Oord JJ, Vandeghinste N, De Ley M, De Wolf-Peters C:** *Bcl-2* expression in human melanocytes and melanocytic tumors, 294
- van der Kwast TH:** see de Boer WI, 1199
- van der Linden JC:** see Wijnaendts LCD, 895
- van der Valk MA:** see Mauad TH, 1237
- van Nieuwkerk CMJ:** see Mauad TH, 1237
- van Unnik AJM:** see Wijnaendts LCD, 895
- Vande Berg J:** see Pierce GF, 1399
- Vandeghinste N:** see van den Oord JJ, 294
- Vandenberg SR:** see Eberhard DA, 640
- Vandermeeren M:** see Lübke U, 175
- Vanmechelen E:** see Harrington CR, 1472
- Varani J, Burmeister B, Sitrin RG, Shollenberger SB, Inman DR, Fligiel SEG, Gibbs DF, Johnson K:** Expression of serine proteinases and metalloproteinases in organ-cultured human skin: altered levels in the presence of retinoic acid and possible relationship to retinoid-induced loss of epidermal cohesion, 561
- Verkruisen RP:** see Mauad TH, 1237
- Vermey M:** see de Boer WI, 1199
- Verroust P:** see Le Panse S, 1526
- Viganò M:** see Arbustini E, 310
- Villanova M:** see Lübke U, 175
- Visakorpi T, Hyttinen E, Kallioniemi A, Isola J, Kallioniemi O-P:** Sensitive detection of chromosome copy number aberrations in prostate cancer by fluorescence *in situ* hybridization, 624
- Visser L:** see Poppema S, 37

- Vitolo D, Palmieri MB, Ruco LP, Rendina E, Bonsignore G, Baroni CD:** Cytokine production and expression of adhesion molecules and integrins in tumor infiltrating lymphomononuclear cells of non-small cell carcinomas of the lung, 322
- Vitolo P:** see Arbustini E, 310
- Vogel P:** see Lackner AA, 428
- Vogel T:** see Wisniewski T, 1030
- Vogelstein B:** see Kim H, 148
- Volc-Platzer B:** see Simonitsch I, 1148
- Vollmar B, Glasz J, Leiderer R, Post S, Menger MD:** Hepatic microcirculatory perfusion failure is a determinant for liver dysfunction in warm ischemia-reperfusion, 1421
- Volpato G:** see Arbustini E, 310
- Vracko R:** see Murry CE, 1450
- 
- Waldman F:** see Isola J, 1301
- Walker C:** see Faris RA, 1432
- Walz A:** see Allmann-Iselin I, 1382
- Wang HG:** see Krajewski S, 1323
- Wang H:** see Chen M, 1509
- Wang L:** see Webber EM, 398
- Wang Y:** see Tam FWK, 126
- Ward JM, Anver MR, Haines DC, Benveniste RE:** Chronic active hepatitis in mice caused by *Helicobacter hepaticus*, 959
- Ware JL:** Prostate cancer progression: implications of histopathology, 983
- Warmington K:** see Chensue SW, 1105
- Warnke RA:** see Bhargava V, 535
- Wass CA:** see Stins MF, 1228
- Watanabe T:** see Ito K, 276
- Watkins P:** see Niedobitek G, 969
- Webber EM, Wu JC, Wang L, Merlino G, Fausto N:** Overexpression of transforming growth factor- $\alpha$  causes liver enlargement and increased hepatocyte proliferation in transgenic mice, 398
- Wechsler W:** see Reifemberger J, 1175
- Weidenheim K:** see Ksiezak-Reding H, 1496
- Weiss LM:** see Zheng J, 1444
- Wekerle H:** see Spuler S, 766
- Wen D:** see Bacus SS, 1337
- Werner PK:** see Rosenblum WI, 33
- Westwick J:** see Brown Z, 913
- Wetzel DL:** see LeVine SM, 1041
- Weyer L:** see Pollanen MS, 1140
- White NJ:** see Turner GDH, 1057
- White WL:** see Graham CH, 510
- Whitley RD:** see Sartin EA, 1168
- Whyte RI:** see Smith DR, 18
- Wieczorek R:** see Iltmann M, 287
- Wiggert B:** see Smith MA, 42
- Wijnaendts LCD, van der Linden JC, van Unnik**
- AJM, Delemarre JFM, Barbet JP, Butler-Browne GS, Meijer CJLM:** Expression of developmentally regulated muscle proteins in rhabdomyosarcomas, 895
- Wilke CA:** see Smith DR, 18
- Wilkinson JE:** see Godfrey VL, 281
- Willems IEMG, Havenith MG, De Mey JGR, Daemen MJAP:** The  $\alpha$ -smooth muscle actin-positive cells in healing human myocardial scars, 868
- Willoughby SB:** see Herskowitz A, 1082
- Wilson MR:** see Singh RK, 365
- Wischik CM:** see Harrington CR, 1472
- Wisniewski T, Castaño EM, Golabek A, Vogel T, Frangione B:** Acceleration of Alzheimer's fibril formation by apolipoprotein E *in vitro*, 1030
- Wisniewski T:** see Gallo G, 526
- Witte DP, Bove KE:** Beckwith-Wiedemann syndrome and the insulin-like growth factor-II gene: does the genotype explain the phenotype?, 762
- Witte DP:** see Sun Y, 1390
- Womack JE:** see Riccardi VM, 994
- Wong J:** see Marathias K, 1219
- Wood DJ:** see Zheng MH, 1095
- Woodruff JM:** see Latres E, 345
- Woodworth CD:** see Chen M, 1509
- Wu JC:** see Webber EM, 398
- Wyche JH:** see Han Z, 423
- Wyder-Walther M:** see Allmann-Iselin I, 1382
- Wyner LR:** see Hancock WW, 1008
- Wysocki SJ:** see Zheng MH, 1095
- 
- Xiong N:** see Morrow DM, 1485
- Xuereb JH:** see Harrington CR, 1472
- 
- Yamadori I:** see Kondo E, 330
- Yamashiro S, Takeya M, Nishi T, Kuratsu J-i, Yoshimura T, Ushio Y, Takahashi K:** Tumor-derived monocyte chemoattractant protein-1 induces intratumoral infiltration of monocyte-derived macrophage subpopulation in transplanted rat tumors, 856
- Yan S-D:** see Smith MA, 42
- Yang L:** see Faris RA, 1432
- Yang W-I, Zukerberg LR, Motokura T, Arnold A, Harris NL:** Cyclin D1 (*Bcl-1*, *PRAD1*) protein expression in low-grade B-cell lymphomas and reactive hyperplasia, 86
- Yarden Y:** see Bacus SS, 1337
- Yeargin J:** see Hsiao M, 702
- Yen S-H:** see Ksiezak-Reding H, 1496
- Yeo K-T:** see Miller JW, 574
- Yeo T-K:** see Miller JW, 574
- Yi ES, Bedoya AA, Lee H, Kim S, Housley RM,**

- Aukerman SL, Tarpley JE, Starnes C, Yin S, Pierce GF, Ulich TR:** Keratinocyte growth factor causes cystic dilation of the mammary glands of mice: interactions of keratinocyte growth factor, estrogen, and progesterone *in vivo*, 1015
- Yi ES, Yin S, Harclerode DL, Bedoya A, Bikhazi NB, Housley RM, Aukerman SL, Morris CF, Pierce GF, Ulich TR:** Keratinocyte growth factor induces pancreatic ductal epithelial proliferation, 80
- Yin S:** see Yi ES, 80, 1015
- Yoshida S:** see Kitagawa M, 338
- Yoshida T, Hanahan D:** Murine pancreatic ductal adenocarcinoma produced by *in vitro* transduction of polyoma middle T oncogene into the islets of Langerhans, 671
- Yoshida Y:** see Garcia JH, 728
- Yoshimura T:** see Yamashiro S, 856
- Yoshino T:** see Kondo E, 330
- Young LS:** see Niedobitek G, 969
- Závada J:** see Liao SY, 598
- Zelnick CR:** see Bacus SS, 1337
- Zeng LC:** see Martin WJ, 440
- Zhang K, Rekhter MD, Gordon D, Phan SH:** Myofibroblasts and their role in lung collagen gene expression during pulmonary fibrosis, 114
- Zhao Y:** see Leszczynski D, 1265
- Zheng J, Shu Q, Li Z-H, Tsao J-I, Weiss LM, Shibata D:** Patterns of p53 mutations in squamous cell carcinoma of the lung: early acquisition at a relatively early age, 1444
- Zheng MH, Fan Y, Wysocki SJ, Lau AT-T, Robertson T, Beilharz M, Wood DJ, Papadimitriou JM:** Gene expression of transforming growth factor- $\beta$ 1 and its type II receptor in giant cell tumors of bone: possible involvement in osteoclast-like cell migration, 1095
- Zhuang Z:** see Emmert-Buck MR, 1285
- Zuber C:** see Li W-P, 470
- Zukerberg LR:** see Yang W-I, 86
- Zunino SJ, Simons LF, Sambrook JF, Gething MJH:** Interleukin-1 promotes hyperglycemia and insulinitis in mice normally resistant to streptozotocin-induced diabetes, 661
- Zwahlen RD:** see Allmann-Iselin I, 1382